

Mathematics Teacher
Classified Index
Volume 105, August 2011–May 2012

AUTHOR INDEX

A

- Adu-Gyamfi, Kwaku, and Michael J. Bossé. Stop Teaching and Let Students Learn Geometry. Nov. 2011, 293–97.
- Allen, Kasi C. The Back Page: My Favorite Lesson: The Purple Milk Problem. Mar. 2012, 560.
- Anderson, Gail Marie. Adding Depth to Geometry through Flatland. Dec. 2011/Jan. 2012, 369–71.
- Arcavi, Abraham, and Alex Friedlander. Practicing Algebraic Skills: A Conceptual Approach. Apr. 2012, 608–14.
- Asdourian, Tony, Mimi Cukier, and Anand Thakker. Geometry in Medias Res. Feb. 2012, 427–31.

B

- Baccaglini-Frank, Anna E. Dragging and Making Sense of Invariants in Dynamic Geometry. Apr. 2012, 616–20.
- Bannister, Nicole A. The Back Page: My Favorite Lesson: A Sweet Way to Investigate Volume. Dec. 2011/Jan. 2012, 400.
- Barnes, Julie, and Kathy Jaqua. Algebra Aerobics. Sept. 2011, 96–101.

Bellittiere, Daniel V., and Rose Sinicrope.

Activities for Students: Ellipses and Orbits: Asteroids and Comets. Dec. 2011/Jan. 2012, 380–83.

Bellittiere, Daniel V., and Rose Sinicrope.

Activities for Students: Ellipses and Orbits: An Exploration of Eccentricity. Oct. 2011, 220–24.

Bentele, Brigitte, and Ron Lancaster. Mathematical Lens: Georgia on My Mind. Nov. 2011, 250–53.

Bentele, Brigitte, and Ron Lancaster. Mathematical Lens: Life Is a Bowl of Mathematics. Oct. 2011, 174–78.

Bentele, Brigitte, and Ron Lancaster. Mathematical Lens: Linear Reasoning about Circles. Mar. 2012, 494–99.

Bentele, Brigitte, and Ron Lancaster. Mathematical Lens: Mathematical Reasoning and Scents Making. Sept. 2011, 92–95.

Bentele, Brigitte, and Ron Lancaster. Mathematical Lens: Weight, Weight, Don't Tell Me! Apr. 2012, 574–77.

Blanton, Maria L., and Despina A. Stylianou.

Connecting Research to Teaching: Developing Students' Capacity for Constructing Proofs through Discourse. Sept. 2011, 140–45.

Bossé, Michael J., and Kwaku Adu-Gyamfi. Stop Teaching and Let Students Learn Geometry. Nov. 2011, 293–97.

Brown, Scott A. Media Clips: U.S. Population

Growth. Oct. 2011, 171, 173.

Buckley, Brooke E., and Bethany A. Noblitt. The Amazing Mathematical Race. Sept. 2011, 134–39.

Burke, Maurice J. The Devil and Daniel's Spreadsheet. Apr. 2012, 578–85.

Burkman, J. Bradford. Sound Off! Colleges, Tell Us What You Want. Feb. 2012, 409.

Busadee, Nutjira, Parames Laosinchai, and Bhinyo Panijpan. Finding Possibility and Probability Lessons in Sports. Dec. 2011/Jan. 2012, 372–78.

C

Caglayan, Günhan. Mathematical Lens: A Mathematical Pyramid Scheme. Aug. 2011, 16–19.

Calendar (Sept. 2011). Aug. 2011, 40–46.

Calendar (Oct. 2011). Sept. 2011, 120–25.

Calendar (Nov. 2011). Oct. 2011, 200–206.

Calendar (Dec. 2011). Nov. 2011, 280–85.

Calendar (Jan. 2012). Dec. 2011/Jan. 2012, 359, 362, 363–65.

Calendar (Feb. 2012). Dec. 2011/Jan. 2012, 360–61, 366–68.

Calendar (Mar. 2012). Feb. 2012, 440–47.

Calendar (Apr. 2012). Mar. 2012, 520–25.

Calendar (May 2012). Apr. 2012, 600–606.

Calendar (June 2012). May 2012, 680–84.

Caniglia, Joanne, and Timothy McKenry.

Mathematical Lens: Mathematics and the Art of Sol LeWitt. May 2012, 652–56.

Cannon, Lawrence O. Delving Deeper: Pythagorean Triples: Avenues for Exploration. Nov. 2011, 311–15.

Cha, Yee-Min. Media Clips: Global Population Explosion. Oct. 2011, 170, 172.

Cherico, Cindy M. Geometry and the Design of Product Packaging. Oct. 2011, 194–99.

Childrey, Maria, and Jonathan Dick. Enhancing Understanding of Transformation Matrices. Apr. 2012, 622–26.

Choi, Kyong Mi, and Dae S. Hong. Korean College Entrance Exams: An Inside Look. Oct. 2011, 208–13.

Cibes, Margaret, and James Greenwood Jr. Media Clips: 100 Percent—Not! Mar. 2012, 491, 493.

Cibes, Margaret, and James Greenwood Jr. Media Clips: Global Communications. Sept. 2011, 88, 90.

Cibes, Margaret, and James Greenwood Jr. Media Clips: Redistricting Ratios. Sept. 2011, 89, 90.

Cibes, Margaret, and James Greenwood Jr. Media Clips: Voting Fractions. Dec. 2011/Jan. 2012, 331, 332.

Circello, Jennifer E., and Scott R. Filkins. A New Perspective on Three-Dimensional Geometry. Dec. 2011/Jan. 2012, 340–45.

Coleman, Max, and Dustin L. Jones. Tapering Timbers: Finding the Volume of Conical Frustums. Mar. 2012, 500–505.

Cooper, Linda L., and Martin C. Roberge. A River Runs through Math Class. May 2012, 658–64.

Cory, Beth, and Ken W. Smith. Delving into Limits of Sequences. Aug. 2011, 48–55.

Crowley, Laura M. The Back Page: My Favorite Lesson: Financing a College Education. Oct. 2011, 240.

Cukier, Mimi, Tony Asdourian, and Anand Thakker. Geometry in Medias Res. Feb. 2012, 427–31.

D

Davidson, Robert, and Robert Gardner. Mathematical Lens: The Three Stooges Meet the Conic Sections. Feb. 2012, 414–18.

de Bruyn, Ysbrand. Delving Deeper: Fermat’s Method of Finding Areas under Graphs. Mar. 2012, 550–53.

Degner, Katherine M., and Cos D. Fi. Teaching through Problem Solving. Feb. 2012, 455–59.

Dias, Ana, Katrina Piatek-Jimenez, Tibor Marcinek, and Christine M. Phelps. Helping Students Become Quantitatively Literate. May 2012, 692–96.

Diaz, Ricardo, and Seán P. Madden. Problem Solvers: The 5-Horse Race. Aug. 2011, 62–66.

Dick, Jonathan, and Maria Childrey. Enhancing Understanding of Transformation Matrices. Apr. 2012, 622–26.

Dickie, Theodore. Media Clips: Game Shows. Nov. 2011, 248, 249.

Dickie, Theodore. Media Clips: Traffic Accidents. Nov. 2011, 247, 249.

Doerr, Helen M., Donna J. Meehan, and AnnMarie H. O’Neil. A Natural Approach to the Number e . Feb. 2012, 432–39.

Dreiling, Keith M. Delving Deeper: Triangle Construction in Taxicab Geometry. Feb. 2012, 474–78.

E

Ecke, Volker, and Julian F. Fleron. Navigating between the Dimensions. Nov. 2011, 286–92.

Edenfield, Kelly W. The Common Core and Inverse Functions. May 2012, 672–78.

Edwards, Michael Todd, and Suzanne R. Harper. A New Recipe: No More Cookbook Lessons. Oct. 2011, 180–88.

F

Fi, Cos D., and Katherine M. Degner. Teaching through Problem Solving. Feb. 2012, 455–59.

Filkins, Scott R., and Jennifer E. Circello. A New Perspective on Three-Dimensional Geometry. Dec. 2011/Jan. 2012, 340–45.

Fleron, Julian F., and Volker Ecke. Navigating between the Dimensions. Nov. 2011, 286–92.

Fleron, Julian F., and Jenny Livingstone. Technology Tips: Exploring Three-Dimensional Worlds Using Google SketchUp. Feb. 2012, 469–73.

Foley, Gregory D. The Shape of an Ellipse. Nov. 2011, 274–79.

Foster, Colin. Student-Generated Questions in Mathematics Teaching. Aug. 2011, 26–31.

Friedlander, Alex, and Abraham Arcavi. Practicing Algebraic Skills: A Conceptual Approach. Apr. 2012, 608–14.

Funsch, Dan, and Irina Lyublinskaya. Geometry + Technology = Proof. Feb. 2012, 448–54.

G

Gardner, Robert, and Robert Davidson. Mathematical Lens: The Three Stooges Meet the Conic Sections. Feb. 2012, 414–18.

Garrison, Lionel, and Louis Lim. Media Clips: Transit of Venus. May 2012, 649, 650.

Gómez, Emiliano, and Risa A. Wolfson. Activities for Students: Filling Bottles with Water. Mar. 2012, 542–48.

Gordon, Sheldon P. Errors in Mathematics Aren't Always Bad. Aug. 2011, 32–39.

Gould, S. Louise. Ponderings on Pocket-sized Polyhedra. Mar. 2012, 506–12.

Gratzer, William. Delving Deeper: Teaching the Unthinkable in Introductory Statistics. Oct. 2011, 230–34.

Greenwood, James, Jr., and Margaret Cibes. Media Clips: 100 Percent—Not! Mar. 2012, 491, 493.

Greenwood, James, Jr., and Margaret Cibes. Media Clips: Global Communications. Sept. 2011, 88, 90.

Greenwood, James, Jr., and Margaret Cibes. Media Clips: Redistricting Ratios. Sept. 2011, 89, 90.

Greenwood, James, Jr., and Margaret Cibes. Media Clips: Voting Fractions. Dec. 2011/Jan. 2012, 331, 332.

Güçler, Beste. Connecting Research to Teaching: Limitless Ways to Talk about Limits: Communicating Mathematical Ideas in the Classroom. May 2012, 697–701.

H

Hall, Randy F. Activities for Students: Error Tolerance Formulas Related to Classical Algebra and Geometry. Feb. 2012, 460–63.

Hall, Randy F. Media Clips: Election Campaign Expenses. Mar. 2012, 490, 492–93.

Hall, Randy F. Media Clips: NFL Players' Life Expectancy. May 2012, 648, 650.

Harper, Suzanne R., and Michael Todd Edwards. A New Recipe: No More Cookbook Lessons. Oct. 2011, 180–88.

Hendrickson, Katie A. Sound Off! Learning from Finland: Formative Assessment. Mar. 2012, 488–89.

Henley, Paul J. The Back Page: My Favorite Lesson: Indirect Proofs. May 2012, 720.

Herman, Marlena. Exploring Conics: Why Does $B^2 - 4AC$ Matter? Mar. 2012, 526–32.

Herman, Marlena F. Technology Tips: Using the TI-Nspire CAS to Explore Areas of Ellipses. Dec. 2011/Jan. 2012, 384–90.

Holshouser, Arthur, Harold Reiter, and Patrick Vennebush. Don't Fence Me In! Apr. 2012, 594–99.

Hong, Dae S. Technology Tips: Exploring the Golden Ratio with The Geometer's Sketchpad. Apr. 2012, 628–31.

Hong, Dae S., and Kyong Mi Choi. Korean College Entrance Exams: An Inside Look. Oct. 2011, 208–13.

J

Jaqua, Kathy, and Julie Barnes. Algebra Aerobics. Sept. 2011, 96–101.

Jiang, Zhonghong, and Samuel Obara. What's Inside the Cube? Students' Investigation with Models and Technology. Sept. 2011, 102–10.

Jiang, Zhonghong, and George E. O'Brien. Multiple Proof Approaches and Mathematical Connections. Apr. 2012, 586–93.

Jones, Dustin L. The Back Page: My Favorite Lesson: The Birthday Problem, Empirically. Feb. 2012, 480.

Jones, Dustin L., and Max Coleman. Tapering Timbers: Finding the Volume of Conical Frustums. Mar. 2012, 500–505.

K

Kaplan, Jennifer J., and Samuel Otten. Optimization: Old Dogs and New Tasks. May 2012, 686–91.

Karafiol, Paul J., Douglas H. O'Roark, and Alex W. Zorn. Delving Deeper: One Problem, Six (or More!) Solutions. Sept. 2011, 150–55.

Keene, Karen A., Allison W. McCulloch, and Rachael H. Kenney. Connecting Research to Teaching: My Answers Don't Match! Using the Graphing Calculator to Check. Feb. 2012, 464–68.

Kenney, Rachael H., Allison W. McCulloch, and Karen A. Keene. Connecting Research to Teaching: My Answers Don't Match! Using the Graphing Calculator to Check. Feb. 2012, 464–68.

Kett, James R. Technology Tips: Teaching Sampling Distributions Using Autograph. Oct. 2011, 226–29.

Kinach, Barbara M. Fostering Spatial vs. Metric Understanding in Geometry. Mar. 2012, 534–40.

L

Lancaster, Ron. Media Clips: Facebook Tops 500 Million Users. Aug. 2011, 12, 14.

Lancaster, Ron. Media Clips: Life by the Numbers? Aug. 2011, 13, 14.

Lancaster, Ron. Media Clips: Skin Deep. Feb. 2012, 411, 413.

Lancaster, Ron. Media Clips: Tee Shots. Feb. 2012, 410, 412–13.

Lancaster, Ron, and Brigitte Bentele. Mathematical Lens: Georgia on My Mind. Nov. 2011, 250–53.

Lancaster, Ron, and Brigitte Bentele. Mathematical Lens: Life Is a Bowl of Mathematics. Oct. 2011, 174–78.

Lancaster, Ron, and Brigitte Bentele. Mathematical Lens: Linear Reasoning about Circles. Mar. 2012, 494–99.

Lancaster, Ron, and Brigitte Bentele. Mathematical Lens: Mathematical Reasoning and Scents Making. Sept. 2011, 92–95.

Lancaster, Ron, and Brigitte Bentele. Mathematical Lens: Weight, Weight, Don't Tell Me! Apr. 2012, 574–77.

Laosinchai, Parames, Nutjira Busadee, and Bhinyo Panijpan. Finding Possibility and Probability Lessons in Sports. Dec. 2011/Jan. 2012, 372–78.

Laumakis, Paul. Analyzing Highway Speeding Data in the Statistics Classroom. Dec. 2011/Jan. 2012, 352–58.

Lim, Louis, and Lionel Garrison. Media Clips: Transit of Venus. May 2012, 649, 650.

Livermore, John M. Technology Tips: Constructing the Square Root of a Complex Number. Aug. 2011, 67–70.

Livingstone, Jenny, and Julian F. Fleron. Technology Tips: Exploring Three-Dimensional Worlds Using Google SketchUp. Feb. 2012, 469–73.

Long, Vena M. Sound Off! The Mathematics Teacher's Bookshelf. Apr. 2012, 568–69.

Lyublinskaya, Irina, and Dan Funsch. Geometry + Technology = Proof. Feb. 2012, 448–54.

M

Madden, Seán P., and Ricardo Diaz. Problem Solvers: The 5-Horse Race. Aug. 2011, 62–66.

Mahoney, John F. Activities for Students: The Hands Project. Aug. 2011, 56–61.

Mamolo, Ami, and Walter J. Whiteley. The Popcorn Box Activity and Reasoning about Optimization. Feb. 2012, 420–26.

Marcinek, Tibor, Katrina Piatek-Jimenez, Christine M. Phelps, and Ana Dias. Helping Students Become Quantitatively Literate. May 2012, 692–96.

Marion, Charles. Delving Deeper: Beyond $1 + 2 = 3$ and $3^2 + 4^2 = 5^2$. Aug. 2011, 72–75.

Matsuura, Ryota. Delving Deeper: Approximating π Using Similar Triangles. Apr. 2012, 632–36.

McClintock, Scott. Counting Priests, Paladins, and Pets. Oct. 2011, 214–18.

McCulloch, Allison W., Rachael H. Kenney, and Karen A. Keene. Connecting Research to Teaching: My Answers Don't Match! Using the Graphing Calculator to Check. Feb. 2012, 464–68.

McKenry, Timothy, and Joanne Caniglia. Mathematical Lens: Mathematics and the Art of Sol LeWitt. May 2012, 652–56.

Meehan, Donna J., Helen M. Doerr, and AnnMarie H. O'Neil. A Natural Approach to the Number e . Feb. 2012, 432–39.

Meredith, Joyce M. The Back Page: My Favorite Lesson. What's the Difference? Aug. 2011, 80.

Miller, David A. Technology Tips: Investigating Zeros of Cubics with GeoGebra. Sept. 2011, 146–49.

Muzheve, Michael T. Media Clips: Midnight Rider. Apr. 2012, 570, 572.

Muzheve, Michael T. Media Clips: Snake Wedding. Apr. 2012, 571, 572.

N

Nirode, Wayne. Thinking Deeply about Area and Perimeter. Nov. 2011, 304–10.

Noblitt, Bethany A., and Brooke E. Buckley. The Amazing Mathematical Race. Sept. 2011, 134–39.

Nowak, Kate. Delving Deeper: Boundaries in Higher Dimensions and Their Kinship with Combinatorics. Dec. 2011/Jan. 2012, 391–95.

O

Obara, Samuel, and Zhonghong Jiang. What's Inside the Cube? Students' Investigation with Models and Technology. Sept. 2011, 102–10.

O'Brien, George E., and Zhonghong Jiang. Multiple Proof Approaches and Mathematical Connections. Apr. 2012, 586–93.

Olson, Zachary A., Kathryn G. Shafer, and Gina Severt. Sketching Up the Digital Duck. Nov. 2011, 262–68.

O'Neil, AnnMarie H., Helen M. Doerr, and Donna J. Meehan. A Natural Approach to the Number e . Feb. 2012, 432–39.

O'Roark, Douglas H., Paul J. Karafiol, and Alex W. Zorn. Delving Deeper: One Problem, Six (or More!) Solutions. Sept. 2011, 150–55.

Otten, Samuel. Cornered by the Real World: A Defense of Mathematics. Aug. 2011, 20–25.

Otten, Samuel, and Jennifer J. Kaplan. Optimization: Old Dogs and New Tasks. May 2012, 686–91.

P

Panijpan, Bhinyo, Nutjira Busadee, and Parames Laosinchai. Finding Possibility and Probability Lessons in Sports. Dec. 2011/Jan. 2012, 372–78.

Peace, Heather M. The Back Page: My Favorite Lesson: Crazy Algebra Objectives. Apr. 2012, 640.

Perham, Arnold E., C.S.V., and Faustine L. Perham. Voronoi Diagrams and Spring Rain. Sept. 2011, 126–32.

Perham, Faustine L., and Arnold E. Perham, C.S.V. Voronoi Diagrams and Spring Rain. Sept. 2011, 126–32.

Phan-Yamada, Tuyetdong. The Back Page: My Favorite Lesson: How Long Is $\sqrt{2}$ cm? A Lesson in Construction. Sept. 2011, 160.

Phelps, Christine M., Katrina Piatek-Jimenez, Tibor Marcinek, and Ana Dias. Helping Students Become Quantitatively Literate. May 2012, 692–96.

Piatek-Jimenez, Katrina, Tibor Marcinek, Christine M. Phelps, and Ana Dias. Helping Students Become Quantitatively Literate. May 2012, 692–96.

Poehl, Terrie T. Activities for Students: Delivered Tomorrow: Plane and Truck Geometry. May 2012, 702–11.

Popelka, Susan R. Corner Reflector Mathematics. Sept. 2011, 112–19.

R

Raines, Joan M. The Back Page: My Favorite Lesson: Playing the River Crossing Game. Nov. 2011, 320.

Reiter, Harold, Arthur Holshouser, and Patrick Vennebush. Don't Fence Me In! Apr. 2012, 594–99.

Reys, Barbara, and Robert Reys. Sound Off! The High School Mathematics Curriculum—What Can We Learn from History? Aug. 2011, 9–11.

Reys, Robert, and Barbara Reys. Sound Off! The High School Mathematics Curriculum—What Can We Learn from History? Aug. 2011, 9–11.

Roberge, Martin C., and Linda L. Cooper. A River Runs through Math Class. May 2012, 658–64.

Roscoe, Matt B. Discovering the Inscribed Angle Theorem. Mar. 2012, 514–19.

Russell, R. Alan. Is There a “Best” Rectangle? Nov. 2011, 254–60.

S

Santucci, Lora C. Recreating History with Archimedes and Pi. Nov. 2011, 298–303.

Sasse, Elizabeth A., and Joshua A. Urich. An Ap“peel”ing Activity. Oct. 2011, 189–93.

Schettino, Carmel. Teaching Geometry through Problem-Based Learning. Dec. 2011/Jan. 2012, 346–51.

Severt, Gina, Kathryn G. Shafer, and Zachary A. Olson. Sketching Up the Digital Duck. Nov. 2011, 262–68.

Shafer, Kathryn G., Gina Severt, and Zachary A. Olson. Sketching Up the Digital Duck. Nov. 2011, 262–68.

Sinicrope, Rose, and Daniel V. Bellittiere. Activities for Students: Ellipses and Orbits: Asteroids and Comets. Dec. 2011/Jan. 2012, 380–83.

Sinicrope, Rose, and Daniel V. Bellittiere. Activities for Students: Ellipses and Orbits: An Exploration of Eccentricity. Oct. 2011, 220–24.

Smith, Ken W., and Beth Cory. Delving into Limits of Sequences. Aug. 2011, 48–55.

Stylianou, Despina A., and Maria L. Blanton. Connecting Research to Teaching: Developing Students' Capacity for Constructing Proofs through Discourse. Sept. 2011, 140–45.

T

Thakker, Anand, Mimi Cukier, and Tony Asdourian. Geometry in Medias Res. Feb. 2012, 427–31.

Touval, Ayana. Teaching the Perpendicular

Bisector: A Kinesthetic Approach. Nov. 2011, 269–73.

U

Urich, Joshua A., and Elizabeth A. Sasse. An

Ap“peel”ing Activity. Oct. 2011, 189–93.

Usiskin, Zalman. Misidentifying Factors

Underlying Singapore’s High Test Scores. May 2012, 666–70.

V

Van Hecke, Tanja. Delving Deeper: Differentiated

Insurance Contracts. May 2012, 712–15.

Vennebush, Patrick, Harold Reiter, and Arthur

Holshouser. Don’t Fence Me In! Apr. 2012, 594–99.

W

Whiteley, Walter J., and Ami Mamolo. The

Popcorn Box Activity and Reasoning about Optimization. Feb. 2012, 420–26.

Wilcock, Doug. Mathematical Lens: The Soft Drink

Wars. Dec. 2011/Jan. 2012, 334–38.

Wills, Jean H. Media Clips: Hoarding Subway

Tokens: Does the Transit Commission’s Math Add Up? Dec. 2011/Jan. 2012, 330, 332.

Wolfson, Risa A., and Emiliano Gómez. Activities

for Students: Filling Bottles with Water. Mar. 2012, 542–48.

Z

Zorn, Alex W., Paul J. Karafiol, and Douglas H.

O’Roark. Delving Deeper: One Problem, Six (or More!) Solutions. Sept. 2011, 150–55.

SUBJECT INDEX

3-D Shapes

Anderson, Gail Marie. Adding Depth to Geometry

through Flatland. Dec. 2011/Jan. 2012, 369–71.

Caglayan, Günhan. Mathematical Lens: A

Mathematical Pyramid Scheme. Aug. 2011, 16–19.

Cherico, Cindy M. Geometry and the Design of

Product Packaging. Oct. 2011, 194–99.

Circello, Jennifer E., and Scott R. Filkins. A New

Perspective on Three-Dimensional Geometry. Dec. 2011/Jan. 2012, 340–45.

Cooper, Linda L., and Martin C. Roberge. A River

Runs through Math Class. May 2012, 658–64.

Fleron, Julian F., and Volker Ecke. Navigating

between the Dimensions. Nov. 2011, 286–92.

Gould, S. Louise. Ponderings on Pocket-sized

Polyhedra. Mar. 2012, 506–12.

Hall, Randy F. Activities for Students: Error

Tolerance Formulas Related to Classical Algebra and Geometry. Feb. 2012, 460–63.

Jones, Dustin L., and Max Coleman. Tapering

Timbers: Finding the Volume of Conical Frustums. Mar. 2012, 500–505.

Kinach, Barbara M. Fostering Spatial vs. Metric

Understanding in Geometry. Mar. 2012, 534–40.

Livingstone, Jenny, and Julian F. Fleron.

Technology Tips: Exploring Three-Dimensional Worlds Using Google SketchUp. Feb. 2012, 469–73.

McKeny, Timothy, and Joanne Caniglia.

Mathematical Lens: Mathematics and the Art of Sol LeWitt. May 2012, 652–56.

Obara, Samuel, and Zhonghong Jiang. What’s

Inside the Cube? Students’ Investigation with Models and Technology. Sept. 2011, 102–10.

Shafer, Kathryn G., Gina Severt, and Zachary A. Olson. Sketching Up the Digital Duck. Nov. 2011, 262–68.

Activities

Allen, Kasi C. The Back Page: My Favorite Lesson: The Purple Milk Problem. Mar. 2012, 560.

Anderson, Gail Marie. Adding Depth to Geometry through Flatland. Dec. 2011/Jan. 2012, 369–71.

Barnes, Julie, and Kathy Jaqua. Algebra Aerobics. Sept. 2011, 96–101.

Busadee, Nutjira, Parames Laosinchai, and Bhinyo Panijpan. Finding Possibility and Probability Lessons in Sports. Dec. 2011/Jan. 2012, 372–78.

Cherico, Cindy M. Geometry and the Design of Product Packaging. Oct. 2011, 194–99.

Circello, Jennifer E., and Scott R. Filkins. A New Perspective on Three-Dimensional Geometry. Dec. 2011/Jan. 2012, 340–45.

Cory, Beth, and Ken W. Smith. Delving into Limits of Sequences. Aug. 2011, 48–55.

Fleron, Julian F., and Volker Ecke. Navigating between the Dimensions. Nov. 2011, 286–92.

Lancaster, Ron, and Brigitte Bentele. Mathematical Lens: Life Is a Bowl of Mathematics. Oct. 2011, 174–78.

McClintock, Scott. Counting Priests, Paladins, and Pets. Oct. 2011, 214–18.

Nirode, Wayne. Thinking Deeply about Area and Perimeter. Nov. 2011, 304–10.

Perham, Arnold E., C.S.V., and Faustine L. Perham. Voronoi Diagrams and Spring Rain. Sept. 2011, 126–32.

Reiter, Harold, Arthur Holshouser, and Patrick Vennebush. Don’t Fence Me In! Apr. 2012, 594–99.

Russell, R. Alan. Is There a “Best” Rectangle? Nov. 2011, 254–60.

Shafer, Kathryn G., Gina Severt, and Zachary A. Olson. Sketching Up the Digital Duck. Nov. 2011, 262–68.

Sinicrope, Rose, and Daniel V. Bellittiere. Activities for Students: Ellipses and Orbits: Asteroids and Comets. Dec. 2011/Jan. 2012, 380–83.

Sinicrope, Rose, and Daniel V. Bellittiere. Activities for Students: Ellipses and Orbits: An Exploration of Eccentricity. Oct. 2011, 220–24.

Touval, Ayana. Teaching the Perpendicular Bisector: A Kinesthetic Approach. Nov. 2011, 269–73.

Urich, Joshua A., and Elizabeth A. Sasse. An Ap“peel”ing Activity. Oct. 2011, 189–93.

Activity Sheets

Edenfield, Kelly W. The Common Core and Inverse Functions. May 2012, 672–78.

Gómez, Emiliano, and Risa A. Wolfson. Activities for Students: Filling Bottles with Water. Mar. 2012, 542–48.

Hall, Randy F. Activities for Students: Error Tolerance Formulas Related to Classical Algebra and Geometry. Feb. 2012, 460–63.

Mahoney, John F. Activities for Students: The Hands Project. Aug. 2011, 56–61.

Poehl, Terrie T. Activities for Students: Delivered Tomorrow: Plane and Truck Geometry. May 2012, 702–11.

Sinicrope, Rose, and Daniel V. Bellittiere. Activities for Students: Ellipses and Orbits: Asteroids and Comets. Dec. 2011/Jan. 2012, 380–83.

Sinicrope, Rose, and Daniel V. Bellittiere. Activities for Students: Ellipses and Orbits: An Exploration of Eccentricity. Oct. 2011, 220–24.

Administrator

Burkman, J. Bradford. Sound Off! Colleges, Tell Us What You Want. Feb. 2012, 409.

Algebra

Barnes, Julie, and Kathy Jaqua. Algebra Aerobics. Sept. 2011, 96–101.

Friedlander, Alex, and Abraham Arcavi. Practicing Algebraic Skills: A Conceptual Approach. Apr. 2012, 608–14.

Hall, Randy F. Media Clips: NFL Players' Life Expectancy. May 2012, 648, 650.

Harper, Suzanne R., and Michael Todd Edwards. A New Recipe: No More Cookbook Lessons. Oct. 2011, 180–88.

Lim, Louis, and Lionel Garrison. Media Clips: Transit of Venus. May 2012, 649, 650.

Peace, Heather M. The Back Page: My Favorite Lesson: Crazy Algebra Objectives. Apr. 2012, 640.

Russell, R. Alan. Is There a “Best” Rectangle? Nov. 2011, 254–60.

Urich, Joshua A., and Elizabeth A. Sasse. An Ap“peel”ing Activity. Oct. 2011, 189–93.

Algebraic Patterns

Friedlander, Alex, and Abraham Arcavi. Practicing Algebraic Skills: A Conceptual Approach. Apr. 2012, 608–14.

Algebraic Thinking

Barnes, Julie, and Kathy Jaqua. Algebra Aerobics. Sept. 2011, 96–101.

Burke, Maurice J. The Devil and Daniel's Spreadsheet. Apr. 2012, 578–85.

Foster, Colin. Student-Generated Questions in Mathematics Teaching. Aug. 2011, 26–31.

Henley, Paul J. The Back Page: My Favorite Lesson: Indirect Proofs. May 2012, 720.

Piatek-Jimenez, Katrina, Tibor Marcinek, Christine M. Phelps, and Ana Dias. Helping Students Become Quantitatively Literate. May 2012, 692–96.

Reiter, Harold, Arthur Holshouser, and Patrick Vennebush. Don't Fence Me In! Apr. 2012, 594–99.

Whiteley, Walter J., and Ami Mamolo. The Popcorn Box Activity and Reasoning about Optimization. Feb. 2012, 420–26.

Analytic Geometry

Doerr, Helen M., Donna J. Meehan, and AnnMarie H. O'Neil. A Natural Approach to the Number e . Feb. 2012, 432–39.

Foley, Gregory D. The Shape of an Ellipse. Nov. 2011, 274–79.

Hong, Dae S., and Kyong Mi Choi. Korean College Entrance Exams: An Inside Look. Oct. 2011, 208–13.

Popelka, Susan R. Corner Reflector Mathematics. Sept. 2011, 112–19.

Sinicrope, Rose, and Daniel V. Bellittiere. Activities for Students: Ellipses and Orbits: Asteroids and Comets. Dec. 2011/Jan. 2012, 380–83.

Sinicrope, Rose, and Daniel V. Bellittiere. Activities for Students: Ellipses and Orbits: An Exploration of Eccentricity. Oct. 2011, 220–24.

Area

Herman, Marlena F. Technology Tips: Using the TI-Nspire CAS to Explore Areas of Ellipses. Dec. 2011/Jan. 2012, 384–90.

Jones, Dustin L., and Max Coleman. Tapering Timbers: Finding the Volume of Conical Frustums. Mar. 2012, 500–505.

Kinach, Barbara M. Fostering Spatial vs. Metric Understanding in Geometry. Mar. 2012, 534–40.

Lancaster, Ron. Media Clips: Facebook Tops 500 Million Users. Aug. 2011, 12, 14.

Lancaster, Ron. Media Clips: Life by the Numbers? Aug. 2011, 13, 14.

Lancaster, Ron, and Brigitte Bentele. Mathematical Lens: Linear Reasoning about Circles. Mar. 2012, 494–99.

Matsuura, Ryota. Delving Deeper: Approximating π Using Similar Triangles. Apr. 2012, 632–36.

Assessment/Testing

Friedlander, Alex, and Abraham Arcavi. Practicing Algebraic Skills: A Conceptual Approach. Apr. 2012, 608–14.

Hendrickson, Katie A. Sound Off! Learning from Finland: Formative Assessment. Mar. 2012, 488–89.

Hong, Dae S., and Kyong Mi Choi. Korean College Entrance Exams: An Inside Look. Oct. 2011, 208–13.

Usiskin, Zalman. Misidentifying Factors

Underlying Singapore's High Test Scores. May 2012, 666–70.

Base Number Systems

Russell, R. Alan. Is There a “Best” Rectangle? Nov. 2011, 254–60.

Calculators

Doerr, Helen M., Donna J. Meehan, and AnnMarie H. O’Neil. A Natural Approach to the Number e . Feb. 2012, 432–39.

Foley, Gregory D. The Shape of an Ellipse. Nov. 2011, 274–79.

Herman, Marlena. Exploring Conics: Why Does $B^2 - 4AC$ Matter? Mar. 2012, 526–32.

Herman, Marlena F. Technology Tips: Using the TI-Nspire CAS to Explore Areas of Ellipses. Dec. 2011/Jan. 2012, 384–90.

McCulloch, Allison W., Rachael H. Kenney, and Karen A. Keene. Connecting Research to Teaching: My Answers Don’t Match! Using the Graphing Calculator to Check. Feb. 2012, 464–68.

Meredith, Joyce M. The Back Page: My Favorite Lesson. What’s the Difference? Aug. 2011, 80.

Calculus and Higher-Level Mathematics

Bannister, Nicole A. The Back Page: My Favorite Lesson: A Sweet Way to Investigate Volume. Dec. 2011/Jan. 2012, 400.

Cory, Beth, and Ken W. Smith. Delving into Limits of Sequences. Aug. 2011, 48–55.

de Bruyn, Ysbrand. Delving Deeper: Fermat’s Method of Finding Areas under Graphs. Mar. 2012, 550–53.

Doerr, Helen M., Donna J. Meehan, and AnnMarie H. O’Neil. A Natural Approach to the Number e . Feb. 2012, 432–39.

Gardner, Robert, and Robert Davidson.

Mathematical Lens: The Three Stooges Meet the Conic Sections. Feb. 2012, 414–18.

Güçler, Beste. Connecting Research to Teaching: Limitless Ways to Talk about Limits: Communicating Mathematical Ideas in the Classroom. May 2012, 697–701.

Hong, Dae S., and Kyong Mi Choi. Korean College Entrance Exams: An Inside Look. Oct. 2011, 208–13.

Miller, David A. Technology Tips: Investigating Zeros of Cubics with GeoGebra. Sept. 2011, 146–49.

Communication

Bannister, Nicole A. The Back Page: My Favorite Lesson: A Sweet Way to Investigate Volume. Dec. 2011/Jan. 2012, 400.

Cooper, Linda L., and Martin C. Roberge. A River Runs through Math Class. May 2012, 658–64.

Cory, Beth, and Ken W. Smith. Delving into Limits of Sequences. Aug. 2011, 48–55.

Foster, Colin. Student-Generated Questions in Mathematics Teaching. Aug. 2011, 26–31.

Güçler, Beste. Connecting Research to Teaching:

Limitless Ways to Talk about Limits:

Communicating Mathematical Ideas in the

Classroom. May 2012, 697–701.

Otten, Samuel. Cornered by the Real World: A

Defense of Mathematics. Aug. 2011, 20–25.

Computers

Caglayan, Günhan. Mathematical Lens: A

Mathematical Pyramid Scheme. Aug. 2011, 16–19.

Foley, Gregory D. The Shape of an Ellipse. Nov.

2011, 274–79.

Hong, Dae S. Technology Tips: Exploring the

Golden Ratio with The Geometer’s Sketchpad.

Apr. 2012, 628–31.

Livermore, John M. Technology Tips: Constructing

the Square Root of a Complex Number. Aug.

2011, 67–70.

Livingstone, Jenny, and Julian F. Fleron.

Technology Tips: Exploring Three-Dimensional

Worlds Using Google SketchUp. Feb. 2012, 469–73.

Obara, Samuel, and Zhonghong Jiang. What’s

Inside the Cube? Students’ Investigation with

Models and Technology. Sept. 2011, 102–10.

Whiteley, Walter J., and Ami Mamolo. The

Popcorn Box Activity and Reasoning about

Optimization. Feb. 2012, 420–26.

Conceptual Development

Busadee, Nutjira, Parames Laosinchai, and Bhinyo

Panijpan. Finding Possibility and Probability

Lessons in Sports. Dec. 2011/Jan. 2012, 372–78.

Cory, Beth, and Ken W. Smith. Delving into Limits

of Sequences. Aug. 2011, 48–55.

Jones, Dustin L., and Max Coleman. Tapering

Timbers: Finding the Volume of Conical

Frustums. Mar. 2012, 500–505.

McCulloch, Allison W., Rachael H. Kenney, and

Karen A. Keene. Connecting Research to

Teaching: My Answers Don’t Match! Using the

Graphing Calculator to Check. Feb. 2012, 464–68.

Stylianou, Despina A., and Maria L. Blanton.

Connecting Research to Teaching: Developing

Students’ Capacity for Constructing Proofs

through Discourse. Sept. 2011, 140–45.

Conic Sections

Foley, Gregory D. The Shape of an Ellipse. Nov.

2011, 274–79.

Gardner, Robert, and Robert Davidson.

Mathematical Lens: The Three Stooges Meet

the Conic Sections. Feb. 2012, 414–18.

Herman, Marlena. Exploring Conics: Why Does B^2

– $4AC$ Matter? Mar. 2012, 526–32.

Herman, Marlena F. Technology Tips: Using the TI-Nspire CAS to Explore Areas of Ellipses. Dec. 2011/Jan. 2012, 384–90.

Sinicrope, Rose, and Daniel V. Bellittiere.

Activities for Students: Ellipses and Orbits: Asteroids and Comets. Dec. 2011/Jan. 2012, 380–83.

Sinicrope, Rose, and Daniel V. Bellittiere.

Activities for Students: Ellipses and Orbits: An Exploration of Eccentricity. Oct. 2011, 220–24.

Connections/Applications

Anderson, Gail Marie. Adding Depth to Geometry through Flatland. Dec. 2011/Jan. 2012, 369–71.

Bannister, Nicole A. The Back Page: My Favorite Lesson: A Sweet Way to Investigate Volume. Dec. 2011/Jan. 2012, 400.

Barnes, Julie, and Kathy Jaqua. Algebra Aerobics. Sept. 2011, 96–101.

Brown, Scott A. Media Clips: U.S. Population Growth. Oct. 2011, 171, 173.

Busadee, Nutjira, Parames Laosinchai, and Bhinyo Panijpan. Finding Possibility and Probability Lessons in Sports. Dec. 2011/Jan. 2012, 372–78.

Cha, Yee-Min. Media Clips: Global Population Explosion. Oct. 2011, 170, 172.

Cherico, Cindy M. Geometry and the Design of Product Packaging. Oct. 2011, 194–99.

Cibes, Margaret, and James Greenwood Jr. Media Clips: Global Communications. Sept. 2011, 88, 90.

Cibes, Margaret, and James Greenwood Jr. Media Clips: Redistricting Ratios. Sept. 2011, 89, 90.

Cibes, Margaret, and James Greenwood Jr. Media Clips: Voting Fractions. Dec. 2011/Jan. 2012, 331, 332.

Cooper, Linda L., and Martin C. Roberge. A River Runs through Math Class. May 2012, 658–64.

Crowley, Laura M. The Back Page: My Favorite Lesson: Financing a College Education. Oct. 2011, 240.

Dickie, Theodore. Media Clips: Game Shows. Nov. 2011, 248, 249.

Dickie, Theodore. Media Clips: Traffic Accidents. Nov. 2011, 247, 249.

Fleron, Julian F., and Volker Ecke. Navigating between the Dimensions. Nov. 2011, 286–92.

Gordon, Sheldon P. Errors in Mathematics Aren't Always Bad. Aug. 2011, 32–39.

Hall, Randy F. Activities for Students: Error Tolerance Formulas Related to Classical Algebra and Geometry. Feb. 2012, 460–63.

Hall, Randy F. Media Clips: NFL Players' Life Expectancy. May 2012, 648, 650.

Jones, Dustin L. The Back Page: My Favorite Lesson: The Birthday Problem, Empirically. Feb. 2012, 480.

Jones, Dustin L., and Max Coleman. Tapering Timbers: Finding the Volume of Conical Frustums. Mar. 2012, 500–505.

Kaplan, Jennifer J., and Samuel Otten. Optimization: Old Dogs and New Tasks. May 2012, 686–91.

- Lancaster, Ron. Media Clips: Skin Deep. Feb. 2012, 411, 413.
- Lancaster, Ron. Media Clips: Tee Shots. Feb. 2012, 410, 412–13.
- Lancaster, Ron, and Brigitte Bentele. Mathematical Lens: Mathematical Reasoning and Scents Making. Sept. 2011, 92–95.
- Lancaster, Ron, and Brigitte Bentele. Mathematical Lens: Weight, Weight, Don't Tell Me! Apr. 2012, 574–77.
- Laumakis, Paul. Analyzing Highway Speeding Data in the Statistics Classroom. Dec. 2011/Jan. 2012, 352–58.
- Lim, Louis, and Lionel Garrison. Media Clips: Transit of Venus. May 2012, 649, 650.
- Mahoney, John F. Activities for Students: The Hands Project. Aug. 2011, 56–61.
- McClintock, Scott. Counting Priests, Paladins, and Pets. Oct. 2011, 214–18.
- Muzheve, Michael T. Media Clips: Midnight Rider. Apr. 2012, 570, 572.
- Muzheve, Michael T. Media Clips: Snake Wedding. Apr. 2012, 571, 572.
- Nirode, Wayne. Thinking Deeply about Area and Perimeter. Nov. 2011, 304–10.
- Nowak, Kate. Delving Deeper: Boundaries in Higher Dimensions and Their Kinship with Combinatorics. Dec. 2011/Jan. 2012, 391–95.
- Otten, Samuel. Cornered by the Real World: A Defense of Mathematics. Aug. 2011, 20–25.
- Perham, Arnold E., C.S.V., and Faustine L. Perham. Voronoi Diagrams and Spring Rain. Sept. 2011, 126–32.
- Poehl, Terrie T. Activities for Students: Delivered Tomorrow: Plane and Truck Geometry. May 2012, 702–11.
- Popelka, Susan R. Corner Reflector Mathematics. Sept. 2011, 112–19.
- Reiter, Harold, Arthur Holshouser, and Patrick Vennebush. Don't Fence Me In! Apr. 2012, 594–99.
- Santucci, Lora C. Recreating History with Archimedes and Pi. Nov. 2011, 298–303.
- Sinicrope, Rose, and Daniel V. Bellittiere. Activities for Students: Ellipses and Orbits: Asteroids and Comets. Dec. 2011/Jan. 2012, 380–83.
- Sinicrope, Rose, and Daniel V. Bellittiere. Activities for Students: Ellipses and Orbits: An Exploration of Eccentricity. Oct. 2011, 220–24.
- Urich, Joshua A., and Elizabeth A. Sasse. An Ap“peel”ing Activity. Oct. 2011, 189–93.
- Van Hecke, Tanja. Delving Deeper: Differentiated Insurance Contracts. May 2012, 712–15.
- Whiteley, Walter J., and Ami Mamolo. The Popcorn Box Activity and Reasoning about Optimization. Feb. 2012, 420–26.
- Wilcock, Doug. Mathematical Lens: The Soft Drink Wars. Dec. 2011/Jan. 2012, 334–38.
- Wills, Jean H. Media Clips: Hoarding Subway Tokens: Does the Transit Commission's Math Add Up? Dec. 2011/Jan. 2012, 330, 332.

Constructions

- Dreiling, Keith M. Delving Deeper: Triangle Construction in Taxicab Geometry. Feb. 2012, 474–78.
- Hong, Dae S. Technology Tips: Exploring the Golden Ratio with The Geometer's Sketchpad. Apr. 2012, 628–31.
- Livermore, John M. Technology Tips: Constructing the Square Root of a Complex Number. Aug. 2011, 67–70.
- Matsuura, Ryota. Delving Deeper: Approximating π Using Similar Triangles. Apr. 2012, 632–36.
- Perham, Arnold E., C.S.V., and Faustine L. Perham. Voronoi Diagrams and Spring Rain. Sept. 2011, 126–32.
- Phan-Yamada, Tuyetdong. The Back Page: My Favorite Lesson: How Long Is $\sqrt{2}$ cm? A Lesson in Construction. Sept. 2011, 160.
- Shafer, Kathryn G., Gina Severt, and Zachary A. Olson. Sketching Up the Digital Duck. Nov. 2011, 262–68.
- Touval, Ayana. Teaching the Perpendicular Bisector: A Kinesthetic Approach. Nov. 2011, 269–73.

Cross-Content Connections

- Anderson, Gail Marie. Adding Depth to Geometry through Flatland. Dec. 2011/Jan. 2012, 369–71.

Curriculum

- Bossé, Michael J., and Kwaku Adu-Gyamfi. Stop Teaching and Let Students Learn Geometry. Nov. 2011, 293–97.
- Burke, Maurice J. The Devil and Daniel's Spreadsheet. Apr. 2012, 578–85.
- Burkman, J. Bradford. Sound Off! Colleges, Tell Us What You Want. Feb. 2012, 409.
- Edenfield, Kelly W. The Common Core and Inverse Functions. May 2012, 672–78.
- Fi, Cos D., and Katherine M. Degner. Teaching through Problem Solving. Feb. 2012, 455–59.
- Friedlander, Alex, and Abraham Arcavi. Practicing Algebraic Skills: A Conceptual Approach. Apr. 2012, 608–14.
- Harper, Suzanne R., and Michael Todd Edwards. A New Recipe: No More Cookbook Lessons. Oct. 2011, 180–88.
- Piatek-Jimenez, Katrina, Tibor Marcinek, Christine M. Phelps, and Ana Dias. Helping Students Become Quantitatively Literate. May 2012, 692–96.
- Reys, Robert, and Barbara Reys. Sound Off! The High School Mathematics Curriculum—What Can We Learn from History? Aug. 2011, 9–11.
- Roscoe, Matt B. Discovering the Inscribed Angle Theorem. Mar. 2012, 514–19.
- Schettino, Carmel. Teaching Geometry through Problem-Based Learning. Dec. 2011/Jan. 2012, 346–51.

Usiskin, Zalman. Misidentifying Factors

Underlying Singapore's High Test Scores. May 2012, 666–70.

Curriculum Developer

Cukier, Mimi, Tony Asdourian, and Anand

Thakker. Geometry in Medias Res. Feb. 2012, 427–31.

Edenfield, Kelly W. The Common Core and Inverse Functions. May 2012, 672–78.

Fi, Cos D., and Katherine M. Degner. Teaching through Problem Solving. Feb. 2012, 455–59.

Hong, Dae S., and Kyong Mi Choi. Korean College Entrance Exams: An Inside Look. Oct. 2011, 208–13.

Noblitt, Bethany A., and Brooke E. Buckley. The Amazing Mathematical Race. Sept. 2011, 134–39.

Piatek-Jimenez, Katrina, Tibor Marcinek, Christine M. Phelps, and Ana Dias. Helping Students Become Quantitatively Literate. May 2012, 692–96.

Reys, Robert, and Barbara Reys. Sound Off! The High School Mathematics Curriculum—What Can We Learn from History? Aug. 2011, 9–11.

Roscoe, Matt B. Discovering the Inscribed Angle Theorem. Mar. 2012, 514–19.

Schettino, Carmel. Teaching Geometry through Problem-Based Learning. Dec. 2011/Jan. 2012, 346–51.

Data Analysis & Statistics

Kett, James R. Technology Tips: Teaching Sampling Distributions Using Autograph. Oct. 2011, 226–29.

Laumakis, Paul. Analyzing Highway Speeding Data in the Statistics Classroom. Dec. 2011/Jan. 2012, 352–58.

Mahoney, John F. Activities for Students: The Hands Project. Aug. 2011, 56–61.

McClintock, Scott. Counting Priests, Paladins, and Pets. Oct. 2011, 214–18.

Meredith, Joyce M. The Back Page: My Favorite Lesson. What's the Difference? Aug. 2011, 80.

Van Hecke, Tanja. Delving Deeper: Differentiated Insurance Contracts. May 2012, 712–15.

Data Collection

Gómez, Emiliano, and Risa A. Wolfson. Activities for Students: Filling Bottles with Water. Mar. 2012, 542–48.

Jones, Dustin L. The Back Page: My Favorite Lesson: The Birthday Problem, Empirically. Feb. 2012, 480.

Data Representation

Meredith, Joyce M. The Back Page: My Favorite Lesson. What's the Difference? Aug. 2011, 80.

Decimals

Cibes, Margaret, and James Greenwood Jr. Media Clips: Voting Fractions. Dec. 2011/Jan. 2012, 331, 332.

Wills, Jean H. Media Clips: Hoarding Subway

Tokens: Does the Transit Commission's Math
Add Up? Dec. 2011/Jan. 2012, 330, 332.

Derivatives

Kaplan, Jennifer J., and Samuel Otten.

Optimization: Old Dogs and New Tasks. May
2012, 686–91.

Miller, David A. Technology Tips: Investigating
Zeros of Cubics with GeoGebra. Sept. 2011,
146–49.

Differentiated Instruction

Bannister, Nicole A. The Back Page: My Favorite
Lesson: A Sweet Way to Investigate Volume.
Dec. 2011/Jan. 2012, 400.

Gardner, Robert, and Robert Davidson.
Mathematical Lens: The Three Stooges Meet
the Conic Sections. Feb. 2012, 414–18.

Dimensional Analysis

Brown, Scott A. Media Clips: U.S. Population
Growth. Oct. 2011, 171, 173.

Cha, Yee-Min. Media Clips: Global Population
Explosion. Oct. 2011, 170, 172.

Discrete Math

Burke, Maurice J. The Devil and Daniel's
Spreadsheet. Apr. 2012, 578–85.

Reiter, Harold, Arthur Holshouser, and Patrick
Vennebush. Don't Fence Me In! Apr. 2012,
594–99.

Distributions

Van Hecke, Tanja. Delving Deeper: Differentiated
Insurance Contracts. May 2012, 712–15.

Expected Value

Dickie, Theodore. Media Clips: Game Shows. Nov.
2011, 248, 249.

Dickie, Theodore. Media Clips: Traffic Accidents.
Nov. 2011, 247, 249.

Experimental Design

Gratzer, William. Delving Deeper: Teaching the
Unthinkable in Introductory Statistics. Oct.
2011, 230–34.

Exponential Functions

Brown, Scott A. Media Clips: U.S. Population
Growth. Oct. 2011, 171, 173.

Cha, Yee-Min. Media Clips: Global Population
Explosion. Oct. 2011, 170, 172.

Crowley, Laura M. The Back Page: My Favorite
Lesson: Financing a College Education. Oct.
2011, 240.

Hall, Randy F. Media Clips: NFL Players' Life
Expectancy. May 2012, 648, 650.

Lancaster, Ron. Media Clips: Skin Deep. Feb. 2012,
411, 413.

Lancaster, Ron. Media Clips: Tee Shots. Feb. 2012,
410, 412–13.

Lim, Louis, and Lionel Garrison. Media Clips:
Transit of Venus. May 2012, 649, 650.

Exponents

- Brown, Scott A. Media Clips: U.S. Population Growth. Oct. 2011, 171, 173.
- Cha, Yee-Min. Media Clips: Global Population Explosion. Oct. 2011, 170, 172.
- Crowley, Laura M. The Back Page: My Favorite Lesson: Financing a College Education. Oct. 2011, 240.
- Hall, Randy F. Media Clips: NFL Players' Life Expectancy. May 2012, 648, 650.
- Lancaster, Ron. Media Clips: Skin Deep. Feb. 2012, 411, 413.
- Lancaster, Ron. Media Clips: Tee Shots. Feb. 2012, 410, 412–13.
- Lim, Louis, and Lionel Garrison. Media Clips: Transit of Venus. May 2012, 649, 650.

Fractions

- Cibes, Margaret, and James Greenwood Jr. Media Clips: Voting Fractions. Dec. 2011/Jan. 2012, 331, 332.
- Wills, Jean H. Media Clips: Hoarding Subway Tokens: Does the Transit Commission's Math Add Up? Dec. 2011/Jan. 2012, 330, 332.

Functions

- Barnes, Julie, and Kathy Jaqua. Algebra Aerobics. Sept. 2011, 96–101.
- Edenfield, Kelly W. The Common Core and Inverse Functions. May 2012, 672–78.

Kaplan, Jennifer J., and Samuel Otten.

Optimization: Old Dogs and New Tasks. May 2012, 686–91.

Games/Puzzles

- Noblitt, Bethany A., and Brooke E. Buckley. The Amazing Mathematical Race. Sept. 2011, 134–39.
- Peace, Heather M. The Back Page: My Favorite Lesson: Crazy Algebra Objectives. Apr. 2012, 640.
- Raines, Joan M. The Back Page: My Favorite Lesson: Playing the River Crossing Game. Nov. 2011, 320.

Geometric Patterns

- Hong, Dae S. Technology Tips: Exploring the Golden Ratio with The Geometer's Sketchpad. Apr. 2012, 628–31.
- Nowak, Kate. Delving Deeper: Boundaries in Higher Dimensions and Their Kinship with Combinatorics. Dec. 2011/Jan. 2012, 391–95.
- Reiter, Harold, Arthur Holshouser, and Patrick Vennebush. Don't Fence Me In! Apr. 2012, 594–99.

Whiteley, Walter J., and Ami Mamolo. The Popcorn Box Activity and Reasoning about Optimization. Feb. 2012, 420–26.

Geometry & Measurement

Anderson, Gail Marie. Adding Depth to Geometry through Flatland. Dec. 2011/Jan. 2012, 369–71.

- Baccaglini-Frank, Anna E. Dragging and Making Sense of Invariants in Dynamic Geometry. Apr. 2012, 616–20.
- Barnes, Julie, and Kathy Jaqua. Algebra Aerobics. Sept. 2011, 96–101.
- Bossé, Michael J., and Kwaku Adu-Gyamfi. Stop Teaching and Let Students Learn Geometry. Nov. 2011, 293–97.
- Caglayan, Günhan. Mathematical Lens: A Mathematical Pyramid Scheme. Aug. 2011, 16–19.
- Cherico, Cindy M. Geometry and the Design of Product Packaging. Oct. 2011, 194–99.
- Circello, Jennifer E., and Scott R. Filkins. A New Perspective on Three-Dimensional Geometry. Dec. 2011/Jan. 2012, 340–45.
- Cukier, Mimi, Tony Asdourian, and Anand Thakker. Geometry in Medias Res. Feb. 2012, 427–31.
- Dick, Jonathan, and Maria Childrey. Enhancing Understanding of Transformation Matrices. Apr. 2012, 622–26.
- Dreiling, Keith M. Delving Deeper: Triangle Construction in Taxicab Geometry. Feb. 2012, 474–78.
- Fleron, Julian F., and Volker Ecke. Navigating between the Dimensions. Nov. 2011, 286–92.
- Gould, S. Louise. Ponderings on Pocket-sized Polyhedra. Mar. 2012, 506–12.
- Harper, Suzanne R., and Michael Todd Edwards. A New Recipe: No More Cookbook Lessons. Oct. 2011, 180–88.
- Herman, Marlana. Exploring Conics: Why Does $B^2 - 4AC$ Matter? Mar. 2012, 526–32.
- Jiang, Zhonghong, and George E. O'Brien. Multiple Proof Approaches and Mathematical Connections. Apr. 2012, 586–93.
- Karafiol, Paul J., Douglas H. O'Roark, and Alex W. Zorn. Delving Deeper: One Problem, Six (or More!) Solutions. Sept. 2011, 150–55.
- Kinach, Barbara M. Fostering Spatial vs. Metric Understanding in Geometry. Mar. 2012, 534–40.
- Lancaster, Ron, and Brigitte Bentele. Mathematical Lens: Linear Reasoning about Circles. Mar. 2012, 494–99.
- Lancaster, Ron, and Brigitte Bentele. Mathematical Lens: Mathematical Reasoning and Scents Making. Sept. 2011, 92–95.
- Lancaster, Ron, and Brigitte Bentele. Mathematical Lens: Weight, Weight, Don't Tell Me! Apr. 2012, 574–77.
- Livingstone, Jenny, and Julian F. Fleron. Technology Tips: Exploring Three-Dimensional Worlds Using Google SketchUp. Feb. 2012, 469–73.
- Lyublinskaya, Irina, and Dan Funsch. Geometry + Technology = Proof. Feb. 2012, 448–54.
- Nirode, Wayne. Thinking Deeply about Area and Perimeter. Nov. 2011, 304–10.
- Nowak, Kate. Delving Deeper: Boundaries in Higher Dimensions and Their Kinship with Combinatorics. Dec. 2011/Jan. 2012, 391–95.

Obara, Samuel, and Zhonghong Jiang. What's

Inside the Cube? Students' Investigation with
Models and Technology. Sept. 2011, 102–10.

Phan-Yamada, Tuyetdong. The Back Page: My

Favorite Lesson: How Long Is $\sqrt{2}$ cm? A
Lesson in Construction. Sept. 2011, 160.

Poehl, Terrie T. Activities for Students: Delivered
Tomorrow: Plane and Truck Geometry. May
2012, 702–11.

Popelka, Susan R. Corner Reflector Mathematics.
Sept. 2011, 112–19.

Reiter, Harold, Arthur Holshouser, and Patrick
Vennebush. Don't Fence Me In! Apr. 2012,
594–99.

Roscoe, Matt B. Discovering the Inscribed Angle
Theorem. Mar. 2012, 514–19.

Russell, R. Alan. Is There a "Best" Rectangle? Nov.
2011, 254–60.

Santucci, Lora C. Recreating History with
Archimedes and Pi. Nov. 2011, 298–303.

Schettino, Carmel. Teaching Geometry through
Problem-Based Learning. Dec. 2011/Jan. 2012,
346–51.

Touval, Ayana. Teaching the Perpendicular
Bisector: A Kinesthetic Approach. Nov. 2011,
269–73.

Urich, Joshua A., and Elizabeth A. Sasse. An
Ap"peel"ing Activity. Oct. 2011, 189–93.

Whiteley, Walter J., and Ami Mamolo. The
Popcorn Box Activity and Reasoning about
Optimization. Feb. 2012, 420–26.

Gifted/Talented

Cannon, Lawrence O. Delving Deeper: Pythagorean
Triples: Avenues for Exploration. Nov. 2011,
311–15.

Dreiling, Keith M. Delving Deeper: Triangle
Construction in Taxicab Geometry. Feb. 2012,
474–78.

Grad Ed

Bossé, Michael J., and Kwaku Adu-Gyamfi. Stop
Teaching and Let Students Learn Geometry.
Nov. 2011, 293–97.

Grades 6-8

Cibes, Margaret, and James Greenwood Jr. Media
Clips: Voting Fractions. Dec. 2011/Jan. 2012,
331, 332.

Wills, Jean H. Media Clips: Hoarding Subway
Tokens: Does the Transit Commission's Math
Add Up? Dec. 2011/Jan. 2012, 330, 332.

Grade 8

Brown, Scott A. Media Clips: U.S. Population
Growth. Oct. 2011, 171, 173.

Burke, Maurice J. The Devil and Daniel's
Spreadsheet. Apr. 2012, 578–85.

Cha, Yee-Min. Media Clips: Global Population
Explosion. Oct. 2011, 170, 172.

Kaplan, Jennifer J., and Samuel Otten.
Optimization: Old Dogs and New Tasks. May
2012, 686–91.

McKeny, Timothy, and Joanne Caniglia.

Mathematical Lens: Mathematics and the Art of Sol LeWitt. May 2012, 652–56.

Perham, Arnold E., C.S.V., and Faustine L. Perham. Voronoi Diagrams and Spring Rain. Sept. 2011, 126–32.

Reiter, Harold, Arthur Holshouser, and Patrick Vennebush. Don't Fence Me In! Apr. 2012, 594–99.

Graph Theory

Poehl, Terrie T. Activities for Students: Delivered Tomorrow: Plane and Truck Geometry. May 2012, 702–11.

Graphing

Foster, Colin. Student-Generated Questions in Mathematics Teaching. Aug. 2011, 26–31.

Mahoney, John F. Activities for Students: The Hands Project. Aug. 2011, 56–61.

High-Stakes Testing

Hong, Dae S., and Kyong Mi Choi. Korean College Entrance Exams: An Inside Look. Oct. 2011, 208–13.

Higher Education

Bossé, Michael J., and Kwaku Adu-Gyamfi. Stop Teaching and Let Students Learn Geometry. Nov. 2011, 293–97.

Burkman, J. Bradford. Sound Off! Colleges, Tell Us What You Want. Feb. 2012, 409.

Noblitt, Bethany A., and Brooke E. Buckley. The Amazing Mathematical Race. Sept. 2011, 134–39.

Piatek-Jimenez, Katrina, Tibor Marcinek, Christine M. Phelps, and Ana Dias. Helping Students Become Quantitatively Literate. May 2012, 692–96.

History of Mathematics

de Bruyn, Ysbrand. Delving Deeper: Fermat's Method of Finding Areas under Graphs. Mar. 2012, 550–53.

Santucci, Lora C. Recreating History with Archimedes and Pi. Nov. 2011, 298–303.

Inclusion

Busadee, Nutjira, Parames Laosinchai, and Bhinyo Panijpan. Finding Possibility and Probability Lessons in Sports. Dec. 2011/Jan. 2012, 372–78.

Inequalities

Cibes, Margaret, and James Greenwood Jr. Media Clips: Global Communications. Sept. 2011, 88, 90.

Cibes, Margaret, and James Greenwood Jr. Media Clips: Redistricting Ratios. Sept. 2011, 89, 90.

Inference

Cibes, Margaret, and James Greenwood Jr. Media Clips: Global Communications. Sept. 2011, 88, 90.

Cibes, Margaret, and James Greenwood Jr. Media Clips: Redistricting Ratios. Sept. 2011, 89, 90.

Gratzer, William. Delving Deeper: Teaching the Unthinkable in Introductory Statistics. Oct. 2011, 230–34.

Integrals

Bannister, Nicole A. The Back Page: My Favorite Lesson: A Sweet Way to Investigate Volume. Dec. 2011/Jan. 2012, 400.

Cooper, Linda L., and Martin C. Roberge. A River Runs through Math Class. May 2012, 658–64.

de Bruyn, Ysbrand. Delving Deeper: Fermat’s Method of Finding Areas under Graphs. Mar. 2012, 550–53.

Herman, Marlena F. Technology Tips: Using the TI-Nspire CAS to Explore Areas of Ellipses. Dec. 2011/Jan. 2012, 384–90.

International Perspectives

Hendrickson, Katie A. Sound Off! Learning from Finland: Formative Assessment. Mar. 2012, 488–89.

Hong, Dae S., and Kyong Mi Choi. Korean College Entrance Exams: An Inside Look. Oct. 2011, 208–13.

Usiskin, Zalman. Misidentifying Factors Underlying Singapore’s High Test Scores. May 2012, 666–70.

Lesson Plans

Allen, Kasi C. The Back Page: My Favorite Lesson: The Purple Milk Problem. Mar. 2012, 560.

Bannister, Nicole A. The Back Page: My Favorite Lesson: A Sweet Way to Investigate Volume. Dec. 2011/Jan. 2012, 400.

Cukier, Mimi, Tony Asdourian, and Anand Thakker. Geometry in Medias Res. Feb. 2012, 427–31.

Henley, Paul J. The Back Page: My Favorite Lesson: Indirect Proofs. May 2012, 720.

Kaplan, Jennifer J., and Samuel Otten. Optimization: Old Dogs and New Tasks. May 2012, 686–91.

Meredith, Joyce M. The Back Page: My Favorite Lesson. What’s the Difference? Aug. 2011, 80.

Phan-Yamada, Tuyetdong. The Back Page: My Favorite Lesson: How Long Is $\sqrt{2}$ cm? A Lesson in Construction. Sept. 2011, 160.

Limits

Cory, Beth, and Ken W. Smith. Delving into Limits of Sequences. Aug. 2011, 48–55.

Güçler, Beste. Connecting Research to Teaching: Limitless Ways to Talk about Limits: Communicating Mathematical Ideas in the Classroom. May 2012, 697–701.

Lancaster, Ron, and Brigitte Bentele. Mathematical Lens: Linear Reasoning about Circles. Mar. 2012, 494–99.

Matsuura, Ryota. Delving Deeper: Approximating π Using Similar Triangles. Apr. 2012, 632–36.

Line of Best Fit/Regression

- Gordon, Sheldon P. Errors in Mathematics Aren't Always Bad. Aug. 2011, 32–39.
- Hall, Randy F. Media Clips: NFL Players' Life Expectancy. May 2012, 648, 650.
- Lancaster, Ron. Media Clips: Skin Deep. Feb. 2012, 411, 413.
- Lancaster, Ron. Media Clips: Tee Shots. Feb. 2012, 410, 412–13.
- Lancaster, Ron, and Brigitte Bentele. Mathematical Lens: Life Is a Bowl of Mathematics. Oct. 2011, 174–78.
- Lim, Louis, and Lionel Garrison. Media Clips: Transit of Venus. May 2012, 649, 650.
- Mahoney, John F. Activities for Students: The Hands Project. Aug. 2011, 56–61.

Linear Functions

- Allen, Kasi C. The Back Page: My Favorite Lesson: The Purple Milk Problem. Mar. 2012, 560.
- Brown, Scott A. Media Clips: U.S. Population Growth. Oct. 2011, 171, 173.
- Cha, Yee-Min. Media Clips: Global Population Explosion. Oct. 2011, 170, 172.
- Mahoney, John F. Activities for Students: The Hands Project. Aug. 2011, 56–61.

Linking Research and Practice

- Güçler, Beste. Connecting Research to Teaching: Limitless Ways to Talk about Limits: Communicating Mathematical Ideas in the Classroom. May 2012, 697–701.

- McCulloch, Allison W., Rachael H. Kenney, and Karen A. Keene. Connecting Research to Teaching: My Answers Don't Match! Using the Graphing Calculator to Check. Feb. 2012, 464–68.

- Stylianou, Despina A., and Maria L. Blanton. Connecting Research to Teaching: Developing Students' Capacity for Constructing Proofs through Discourse. Sept. 2011, 140–45.

Logarithmic Functions

- Gordon, Sheldon P. Errors in Mathematics Aren't Always Bad. Aug. 2011, 32–39.

Manipulatives

- Cherico, Cindy M. Geometry and the Design of Product Packaging. Oct. 2011, 194–99.
- Gómez, Emiliano, and Risa A. Wolfson. Activities for Students: Filling Bottles with Water. Mar. 2012, 542–48.
- Gould, S. Louise. Ponderings on Pocket-sized Polyhedra. Mar. 2012, 506–12.
- McKenney, Timothy, and Joanne Caniglia. Mathematical Lens: Mathematics and the Art of Sol LeWitt. May 2012, 652–56.
- Reiter, Harold, Arthur Holshouser, and Patrick Vennebush. Don't Fence Me In! Apr. 2012, 594–99.
- Whiteley, Walter J., and Ami Mamolo. The Popcorn Box Activity and Reasoning about Optimization. Feb. 2012, 420–26.

Math Coordinator/Math Coach

- Cukier, Mimi, Tony Asdourian, and Anand Thakker. Geometry in Medias Res. Feb. 2012, 427–31.
- Edenfield, Kelly W. The Common Core and Inverse Functions. May 2012, 672–78.
- Fi, Cos D., and Katherine M. Degner. Teaching through Problem Solving. Feb. 2012, 455–59.
- Güçler, Beste. Connecting Research to Teaching: Limitless Ways to Talk about Limits: Communicating Mathematical Ideas in the Classroom. May 2012, 697–701.
- Harper, Suzanne R., and Michael Todd Edwards. A New Recipe: No More Cookbook Lessons. Oct. 2011, 180–88.
- Hong, Dae S., and Kyong Mi Choi. Korean College Entrance Exams: An Inside Look. Oct. 2011, 208–13.
- Noblitt, Bethany A., and Brooke E. Buckley. The Amazing Mathematical Race. Sept. 2011, 134–39.
- Otten, Samuel. Cornered by the Real World: A Defense of Mathematics. Aug. 2011, 20–25.
- Peace, Heather M. The Back Page: My Favorite Lesson: Crazy Algebra Objectives. Apr. 2012, 640.
- Piatek-Jimenez, Katrina, Tibor Marcinek, Christine M. Phelps, and Ana Dias. Helping Students Become Quantitatively Literate. May 2012, 692–96.

- Reys, Robert, and Barbara Reys. Sound Off! The High School Mathematics Curriculum—What Can We Learn from History? Aug. 2011, 9–11.
- Schettino, Carmel. Teaching Geometry through Problem-Based Learning. Dec. 2011/Jan. 2012, 346–51.

Matrix Algebra

- Dick, Jonathan, and Maria Childrey. Enhancing Understanding of Transformation Matrices. Apr. 2012, 622–26.

Mean/Median/Mode

- Lancaster, Ron, and Brigitte Bentele. Mathematical Lens: Georgia on My Mind. Nov. 2011, 250–53.

Modeling

- Gordon, Sheldon P. Errors in Mathematics Aren't Always Bad. Aug. 2011, 32–39.
- Van Hecke, Tanja. Delving Deeper: Differentiated Insurance Contracts. May 2012, 712–15.

Normal Distribution

- Kett, James R. Technology Tips: Teaching Sampling Distributions Using Autograph. Oct. 2011, 226–29.

Number Patterns

- Dick, Jonathan, and Maria Childrey. Enhancing Understanding of Transformation Matrices. Apr. 2012, 622–26.

Marion, Charles. Delving Deeper: Beyond $1 + 2 = 3$ and $3^2 + 4^2 = 5^2$. Aug. 2011, 72–75.

Number Theory

Russell, R. Alan. Is There a “Best” Rectangle? Nov. 2011, 254–60.

Optimization

Kaplan, Jennifer J., and Samuel Otten.
Optimization: Old Dogs and New Tasks. May 2012, 686–91.

Parametric Equations

Foley, Gregory D. The Shape of an Ellipse. Nov. 2011, 274–79.

Lancaster, Ron, and Brigitte Bentele. Mathematical Lens: Life Is a Bowl of Mathematics. Oct. 2011, 174–78.

Percents

Cibes, Margaret, and James Greenwood Jr. Media Clips: 100 Percent—Not! Mar. 2012, 491, 493.

Cibes, Margaret, and James Greenwood Jr. Media Clips: Voting Fractions. Dec. 2011/Jan. 2012, 331, 332.

Hall, Randy F. Media Clips: Election Campaign Expenses. Mar. 2012, 490, 492–93.

Wills, Jean H. Media Clips: Hoarding Subway Tokens: Does the Transit Commission’s Math Add Up? Dec. 2011/Jan. 2012, 330, 332.

Perimeter/Circumference

Lancaster, Ron, and Brigitte Bentele. Mathematical Lens: Linear Reasoning about Circles. Mar. 2012, 494–99.

Lancaster, Ron, and Brigitte Bentele. Mathematical Lens: Mathematical Reasoning and Scents Making. Sept. 2011, 92–95.

Shafer, Kathryn G., Gina Severt, and Zachary A. Olson. Sketching Up the Digital Duck. Nov. 2011, 262–68.

Permutations/Combinations/Counting

Busadee, Nutjira, Parames Laosinchai, and Bhinyo Panijpan. Finding Possibility and Probability Lessons in Sports. Dec. 2011/Jan. 2012, 372–78.

Lancaster, Ron, and Brigitte Bentele. Mathematical Lens: Mathematical Reasoning and Scents Making. Sept. 2011, 92–95.

McKenry, Timothy, and Joanne Caniglia.
Mathematical Lens: Mathematics and the Art of Sol LeWitt. May 2012, 652–56.

Reiter, Harold, Arthur Holshouser, and Patrick Vennebush. Don’t Fence Me In! Apr. 2012, 594–99.

Polar Coordinates

Foley, Gregory D. The Shape of an Ellipse. Nov. 2011, 274–79.

Polynomials

Miller, David A. Technology Tips: Investigating Zeros of Cubics with GeoGebra. Sept. 2011, 146–49.

Probability

Busadee, Nutjira, Parames Laosinchai, and Bhinyo Panijpan. Finding Possibility and Probability Lessons in Sports. Dec. 2011/Jan. 2012, 372–78.

Jones, Dustin L. The Back Page: My Favorite Lesson: The Birthday Problem, Empirically. Feb. 2012, 480.

Laumakis, Paul. Analyzing Highway Speeding Data in the Statistics Classroom. Dec. 2011/Jan. 2012, 352–58.

McClintock, Scott. Counting Priests, Paladins, and Pets. Oct. 2011, 214–18.

Raines, Joan M. The Back Page: My Favorite Lesson: Playing the River Crossing Game. Nov. 2011, 320.

Problem Solving/Problem Posing

Allen, Kasi C. The Back Page: My Favorite Lesson: The Purple Milk Problem. Mar. 2012, 560.

Burke, Maurice J. The Devil and Daniel's Spreadsheet. Apr. 2012, 578–85.

Busadee, Nutjira, Parames Laosinchai, and Bhinyo Panijpan. Finding Possibility and Probability Lessons in Sports. Dec. 2011/Jan. 2012, 372–78.

Calendar (Sept. 2011). Aug. 2011, 40–46.

Calendar (Oct. 2011). Sept. 2011, 120–25.

Calendar (Nov. 2011). Oct. 2011, 200–206.

Calendar (Dec. 2011). Nov. 2011, 280–85.

Calendar (Jan. 2012). Dec. 2011/Jan. 2012, 359, 362, 363–65.

Calendar (Feb. 2012). Dec. 2011/Jan. 2012, 360–61, 366–68.

Calendar (Mar. 2012). Feb. 2012, 440–47.

Calendar (Apr. 2012). Mar. 2012, 520–25.

Calendar (May 2012). Apr. 2012, 600–606.

Calendar (June 2012). May 2012, 680–84.

Cherico, Cindy M. Geometry and the Design of Product Packaging. Oct. 2011, 194–99.

Cibes, Margaret, and James Greenwood Jr. Media Clips: 100 Percent—Not! Mar. 2012, 491, 493.

Cibes, Margaret, and James Greenwood Jr. Media Clips: Voting Fractions. Dec. 2011/Jan. 2012, 331, 332.

Cooper, Linda L., and Martin C. Roberge. A River Runs through Math Class. May 2012, 658–64.

Dreiling, Keith M. Delving Deeper: Triangle Construction in Taxicab Geometry. Feb. 2012, 474–78.

Foster, Colin. Student-Generated Questions in Mathematics Teaching. Aug. 2011, 26–31.

Friedlander, Alex, and Abraham Arcavi. Practicing Algebraic Skills: A Conceptual Approach. Apr. 2012, 608–14.

Gómez, Emiliano, and Risa A. Wolfson. Activities for Students: Filling Bottles with Water. Mar. 2012, 542–48.

- Hall, Randy F. Media Clips: Election Campaign Expenses. Mar. 2012, 490, 492–93.
- Harper, Suzanne R., and Michael Todd Edwards. A New Recipe: No More Cookbook Lessons. Oct. 2011, 180–88.
- Karafiol, Paul J., Douglas H. O’Roark, and Alex W. Zorn. Delving Deeper: One Problem, Six (or More!) Solutions. Sept. 2011, 150–55.
- Lancaster, Ron. Media Clips: Facebook Tops 500 Million Users. Aug. 2011, 12, 14.
- Lancaster, Ron. Media Clips: Life by the Numbers? Aug. 2011, 13, 14.
- Lancaster, Ron, and Brigitte Bentele. Mathematical Lens: Linear Reasoning about Circles. Mar. 2012, 494–99.
- Lancaster, Ron, and Brigitte Bentele. Mathematical Lens: Weight, Weight, Don’t Tell Me! Apr. 2012, 574–77.
- Livermore, John M. Technology Tips: Constructing the Square Root of a Complex Number. Aug. 2011, 67–70.
- Madden, Seán P., and Ricardo Diaz. Problem Solvers: The 5-Horse Race. Aug. 2011, 62–66.
- Marion, Charles. Delving Deeper: Beyond $1 + 2 = 3$ and $3^2 + 4^2 = 5^2$. Aug. 2011, 72–75.
- Muzheve, Michael T. Media Clips: Midnight Rider. Apr. 2012, 570, 572.
- Muzheve, Michael T. Media Clips: Snake Wedding. Apr. 2012, 571, 572.
- Noblitt, Bethany A., and Brooke E. Buckley. The Amazing Mathematical Race. Sept. 2011, 134–39.
- Piatek-Jimenez, Katrina, Tibor Marcinek, Christine M. Phelps, and Ana Dias. Helping Students Become Quantitatively Literate. May 2012, 692–96.
- Reiter, Harold, Arthur Holshouser, and Patrick Vennebush. Don’t Fence Me In! Apr. 2012, 594–99.
- Russell, R. Alan. Is There a “Best” Rectangle? Nov. 2011, 254–60.
- Schettino, Carmel. Teaching Geometry through Problem-Based Learning. Dec. 2011/Jan. 2012, 346–51.
- Touval, Ayana. Teaching the Perpendicular Bisector: A Kinesthetic Approach. Nov. 2011, 269–73.
- Wills, Jean H. Media Clips: Hoarding Subway Tokens: Does the Transit Commission’s Math Add Up? Dec. 2011/Jan. 2012, 330, 332.
- Professional Development/Teacher**
- Bossé, Michael J., and Kwaku Adu-Gyamfi. Stop Teaching and Let Students Learn Geometry. Nov. 2011, 293–97.
- Busadee, Nutjira, Parames Laosinchai, and Bhinyo Panijpan. Finding Possibility and Probability Lessons in Sports. Dec. 2011/Jan. 2012, 372–78.
- Fi, Cos D., and Katherine M. Degner. Teaching through Problem Solving. Feb. 2012, 455–59.

Güçler, Beste. Connecting Research to Teaching: Limitless Ways to Talk about Limits: Communicating Mathematical Ideas in the Classroom. May 2012, 697–701.

Harper, Suzanne R., and Michael Todd Edwards. A New Recipe: No More Cookbook Lessons. Oct. 2011, 180–88.

Hendrickson, Katie A. Sound Off! Learning from Finland: Formative Assessment. Mar. 2012, 488–89.

Kinach, Barbara M. Fostering Spatial vs. Metric Understanding in Geometry. Mar. 2012, 534–40.

Long, Vena M. Sound Off! The Mathematics Teacher's Bookshelf. Apr. 2012, 568–69.

Matsuura, Ryota. Delving Deeper: Approximating π Using Similar Triangles. Apr. 2012, 632–36.

Otten, Samuel. Cornered by the Real World: A Defense of Mathematics. Aug. 2011, 20–25.

Peace, Heather M. The Back Page: My Favorite Lesson: Crazy Algebra Objectives. Apr. 2012, 640.

Reys, Robert, and Barbara Reys. Sound Off! The High School Mathematics Curriculum—What Can We Learn from History? Aug. 2011, 9–11.

Roscoe, Matt B. Discovering the Inscribed Angle Theorem. Mar. 2012, 514–19.

Santucci, Lora C. Recreating History with Archimedes and Pi. Nov. 2011, 298–303.

Shafer, Kathryn G., Gina Severt, and Zachary A. Olson. Sketching Up the Digital Duck. Nov. 2011, 262–68.

Stylianou, Despina A., and Maria L. Blanton.

Connecting Research to Teaching: Developing Students' Capacity for Constructing Proofs through Discourse. Sept. 2011, 140–45.

Pythagorean Theorem

Cannon, Lawrence O. Delving Deeper: Pythagorean Triples: Avenues for Exploration. Nov. 2011, 311–15.

Kaplan, Jennifer J., and Samuel Otten.

Optimization: Old Dogs and New Tasks. May 2012, 686–91.

Karafiol, Paul J., Douglas H. O'Roark, and Alex W. Zorn. Delving Deeper: One Problem, Six (or More!) Solutions. Sept. 2011, 150–55.

Lancaster, Ron, and Brigitte Bentele. Mathematical Lens: Mathematical Reasoning and Scents Making. Sept. 2011, 92–95.

Phan-Yamada, Tuyetdong. The Back Page: My Favorite Lesson: How Long Is $\sqrt{2}$ cm? A Lesson in Construction. Sept. 2011, 160.

Shafer, Kathryn G., Gina Severt, and Zachary A. Olson. Sketching Up the Digital Duck. Nov. 2011, 262–68.

Quadratic Functions

Lancaster, Ron. Media Clips: Facebook Tops 500 Million Users. Aug. 2011, 12, 14.

Lancaster, Ron. Media Clips: Life by the Numbers? Aug. 2011, 13, 14.

Ratios/Proportions

- Cibes, Margaret, and James Greenwood Jr. Media Clips: 100 Percent—Not! Mar. 2012, 491, 493.
- Cibes, Margaret, and James Greenwood Jr. Media Clips: Global Communications. Sept. 2011, 88, 90.
- Cibes, Margaret, and James Greenwood Jr. Media Clips: Redistricting Ratios. Sept. 2011, 89, 90.
- Dickie, Theodore. Media Clips: Game Shows. Nov. 2011, 248, 249.
- Dickie, Theodore. Media Clips: Traffic Accidents. Nov. 2011, 247, 249.
- Gardner, Robert, and Robert Davidson. Mathematical Lens: The Three Stooges Meet the Conic Sections. Feb. 2012, 414–18.
- Hall, Randy F. Media Clips: Election Campaign Expenses. Mar. 2012, 490, 492–93.
- Hall, Randy F. Media Clips: NFL Players' Life Expectancy. May 2012, 648, 650.
- Hong, Dae S. Technology Tips: Exploring the Golden Ratio with The Geometer's Sketchpad. Apr. 2012, 628–31.
- Lancaster, Ron. Media Clips: Facebook Tops 500 Million Users. Aug. 2011, 12, 14.
- Lancaster, Ron. Media Clips: Life by the Numbers? Aug. 2011, 13, 14.
- Lancaster, Ron, and Brigitte Bentele. Mathematical Lens: Weight, Weight, Don't Tell Me! Apr. 2012, 574–77.
- Lim, Louis, and Lionel Garrison. Media Clips: Transit of Venus. May 2012, 649, 650.

- Muzheve, Michael T. Media Clips: Midnight Rider. Apr. 2012, 570, 572.
- Muzheve, Michael T. Media Clips: Snake Wedding. Apr. 2012, 571, 572.
- Wilcock, Doug. Mathematical Lens: The Soft Drink Wars. Dec. 2011/Jan. 2012, 334–38.

Reasoning and Proof

- Baccaglini-Frank, Anna E. Dragging and Making Sense of Invariants in Dynamic Geometry. Apr. 2012, 616–20.
- Doerr, Helen M., Donna J. Meehan, and AnnMarie H. O'Neil. A Natural Approach to the Number e . Feb. 2012, 432–39.
- Foster, Colin. Student-Generated Questions in Mathematics Teaching. Aug. 2011, 26–31.
- Henley, Paul J. The Back Page: My Favorite Lesson: Indirect Proofs. May 2012, 720.
- Jiang, Zhonghong, and George E. O'Brien. Multiple Proof Approaches and Mathematical Connections. Apr. 2012, 586–93.
- Jones, Dustin L., and Max Coleman. Tapering Timbers: Finding the Volume of Conical Frustums. Mar. 2012, 500–505.
- Karafiol, Paul J., Douglas H. O'Roark, and Alex W. Zorn. Delving Deeper: One Problem, Six (or More!) Solutions. Sept. 2011, 150–55.
- Lyublinskaya, Irina, and Dan Funsch. Geometry + Technology = Proof. Feb. 2012, 448–54.
- Marion, Charles. Delving Deeper: Beyond $1 + 2 = 3$ and $3^2 + 4^2 = 5^2$. Aug. 2011, 72–75.

Noblitt, Bethany A., and Brooke E. Buckley. The Amazing Mathematical Race. Sept. 2011, 134–39.

Obara, Samuel, and Zhonghong Jiang. What’s Inside the Cube? Students’ Investigation with Models and Technology. Sept. 2011, 102–10.

Piatek-Jimenez, Katrina, Tibor Marcinek, Christine M. Phelps, and Ana Dias. Helping Students Become Quantitatively Literate. May 2012, 692–96.

Roscoe, Matt B. Discovering the Inscribed Angle Theorem. Mar. 2012, 514–19.

Russell, R. Alan. Is There a “Best” Rectangle? Nov. 2011, 254–60.

Stylianou, Despina A., and Maria L. Blanton. Connecting Research to Teaching: Developing Students’ Capacity for Constructing Proofs through Discourse. Sept. 2011, 140–45.

Touval, Ayana. Teaching the Perpendicular Bisector: A Kinesthetic Approach. Nov. 2011, 269–73.

Representation

Bannister, Nicole A. The Back Page: My Favorite Lesson: A Sweet Way to Investigate Volume. Dec. 2011/Jan. 2012, 400.

Burke, Maurice J. The Devil and Daniel’s Spreadsheet. Apr. 2012, 578–85.

Cibes, Margaret, and James Greenwood Jr. Media Clips: Global Communications. Sept. 2011, 88, 90.

Cibes, Margaret, and James Greenwood Jr. Media Clips: Redistricting Ratios. Sept. 2011, 89, 90.

Circello, Jennifer E., and Scott R. Filkins. A New Perspective on Three-Dimensional Geometry. Dec. 2011/Jan. 2012, 340–45.

Cooper, Linda L., and Martin C. Roberge. A River Runs through Math Class. May 2012, 658–64.

Cory, Beth, and Ken W. Smith. Delving into Limits of Sequences. Aug. 2011, 48–55.

Fleron, Julian F., and Volker Ecke. Navigating between the Dimensions. Nov. 2011, 286–92.

Gordon, Sheldon P. Errors in Mathematics Aren’t Always Bad. Aug. 2011, 32–39.

Jones, Dustin L., and Max Coleman. Tapering Timbers: Finding the Volume of Conical Frustums. Mar. 2012, 500–505.

Karafiol, Paul J., Douglas H. O’Roark, and Alex W. Zorn. Delving Deeper: One Problem, Six (or More!) Solutions. Sept. 2011, 150–55.

Noblitt, Bethany A., and Brooke E. Buckley. The Amazing Mathematical Race. Sept. 2011, 134–39.

Nowak, Kate. Delving Deeper: Boundaries in Higher Dimensions and Their Kinship with Combinatorics. Dec. 2011/Jan. 2012, 391–95.

Perham, Arnold E., C.S.V., and Faustine L. Perham. Voronoi Diagrams and Spring Rain. Sept. 2011, 126–32.

Sinicrope, Rose, and Daniel V. Bellittiere. Activities for Students: Ellipses and Orbits: Asteroids and Comets. Dec. 2011/Jan. 2012, 380–83.

Sinicrope, Rose, and Daniel V. Bellittiere.

Activities for Students: Ellipses and Orbits: An Exploration of Eccentricity. Oct. 2011, 220–24.

Sample Assessments

Hong, Dae S., and Kyong Mi Choi. Korean College Entrance Exams: An Inside Look. Oct. 2011, 208–13.

Sampling

Gratzer, William. Delving Deeper: Teaching the Unthinkable in Introductory Statistics. Oct. 2011, 230–34.

Kett, James R. Technology Tips: Teaching Sampling Distributions Using Autograph. Oct. 2011, 226–29.

Sequences/Series

de Bruyn, Ysbrand. Delving Deeper: Fermat’s Method of Finding Areas under Graphs. Mar. 2012, 550–53.

Lancaster, Ron, and Brigitte Bentele. Mathematical Lens: Georgia on My Mind. Nov. 2011, 250–53.

Lancaster, Ron, and Brigitte Bentele. Mathematical Lens: Linear Reasoning about Circles. Mar. 2012, 494–99.

Marion, Charles. Delving Deeper: Beyond $1 + 2 = 3$ and $3^2 + 4^2 = 5^2$. Aug. 2011, 72–75.

Shapes

Gómez, Emiliano, and Risa A. Wolfson. Activities for Students: Filling Bottles with Water. Mar. 2012, 542–48.

Similarity/Congruence

Gardner, Robert, and Robert Davidson.

Mathematical Lens: The Three Stooges Meet the Conic Sections. Feb. 2012, 414–18.

Hong, Dae S. Technology Tips: Exploring the Golden Ratio with The Geometer’s Sketchpad. Apr. 2012, 628–31.

Jones, Dustin L., and Max Coleman. Tapering Timbers: Finding the Volume of Conical Frustums. Mar. 2012, 500–505.

Karafiol, Paul J., Douglas H. O’Roark, and Alex W. Zorn. Delving Deeper: One Problem, Six (or More!) Solutions. Sept. 2011, 150–55.

Lancaster, Ron, and Brigitte Bentele. Mathematical Lens: Weight, Weight, Don’t Tell Me! Apr. 2012, 574–77.

Matsuura, Ryota. Delving Deeper: Approximating π Using Similar Triangles. Apr. 2012, 632–36.

Roscoe, Matt B. Discovering the Inscribed Angle Theorem. Mar. 2012, 514–19.

Slope

Whiteley, Walter J., and Ami Mamolo. The Popcorn Box Activity and Reasoning about Optimization. Feb. 2012, 420–26.

Surface Area

- Hall, Randy F. Activities for Students: Error Tolerance Formulas Related to Classical Algebra and Geometry. Feb. 2012, 460–63.
- Livingstone, Jenny, and Julian F. Fleron. Technology Tips: Exploring Three-Dimensional Worlds Using Google SketchUp. Feb. 2012, 469–73.
- Shafer, Kathryn G., Gina Severt, and Zachary A. Olson. Sketching Up the Digital Duck. Nov. 2011, 262–68.

Symmetry

- Baccaglini-Frank, Anna E. Dragging and Making Sense of Invariants in Dynamic Geometry. Apr. 2012, 616–20.
- Lancaster, Ron, and Brigitte Bentele. Mathematical Lens: Mathematical Reasoning and Scents Making. Sept. 2011, 92–95.
- McKenry, Timothy, and Joanne Caniglia. Mathematical Lens: Mathematics and the Art of Sol LeWitt. May 2012, 652–56.
- Touval, Ayana. Teaching the Perpendicular Bisector: A Kinesthetic Approach. Nov. 2011, 269–73.

Systems of Equations

- Allen, Kasi C. The Back Page: My Favorite Lesson: The Purple Milk Problem. Mar. 2012, 560.

Teacher in Training/Preservice Teacher

- Bossé, Michael J., and Kwaku Adu-Gyamfi. Stop Teaching and Let Students Learn Geometry. Nov. 2011, 293–97.
- Jiang, Zhonghong, and George E. O'Brien. Multiple Proof Approaches and Mathematical Connections. Apr. 2012, 586–93.
- Kinach, Barbara M. Fostering Spatial vs. Metric Understanding in Geometry. Mar. 2012, 534–40.

Technology

- Baccaglini-Frank, Anna E. Dragging and Making Sense of Invariants in Dynamic Geometry. Apr. 2012, 616–20.
- Burke, Maurice J. The Devil and Daniel's Spreadsheet. Apr. 2012, 578–85.
- Caglayan, Günhan. Mathematical Lens: A Mathematical Pyramid Scheme. Aug. 2011, 16–19.
- Cory, Beth, and Ken W. Smith. Delving into Limits of Sequences. Aug. 2011, 48–55.
- Herman, Marlena. Exploring Conics: Why Does $B^2 - 4AC$ Matter? Mar. 2012, 526–32.
- Jiang, Zhonghong, and George E. O'Brien. Multiple Proof Approaches and Mathematical Connections. Apr. 2012, 586–93.
- Kaplan, Jennifer J., and Samuel Otten. Optimization: Old Dogs and New Tasks. May 2012, 686–91.

Livermore, John M. Technology Tips: Constructing the Square Root of a Complex Number. Aug. 2011, 67–70.

Livingstone, Jenny, and Julian F. Fleron. Technology Tips: Exploring Three-Dimensional Worlds Using Google SketchUp. Feb. 2012, 469–73.

Lyublinskaya, Irina, and Dan Funsch. Geometry + Technology = Proof. Feb. 2012, 448–54.

Mahoney, John F. Activities for Students: The Hands Project. Aug. 2011, 56–61.

McClintock, Scott. Counting Priests, Paladins, and Pets. Oct. 2011, 214–18.

Miller, David A. Technology Tips: Investigating Zeros of Cubics with GeoGebra. Sept. 2011, 146–49.

Nirode, Wayne. Thinking Deeply about Area and Perimeter. Nov. 2011, 304–10.

Obara, Samuel, and Zhonghong Jiang. What’s Inside the Cube? Students’ Investigation with Models and Technology. Sept. 2011, 102–10.

Santucci, Lora C. Recreating History with Archimedes and Pi. Nov. 2011, 298–303.

Shafer, Kathryn G., Gina Severt, and Zachary A. Olson. Sketching Up the Digital Duck. Nov. 2011, 262–68.

Theory

McCulloch, Allison W., Rachael H. Kenney, and Karen A. Keene. Connecting Research to Teaching: My Answers Don’t Match! Using the Graphing Calculator to Check. Feb. 2012, 464–68.

Transformations

Barnes, Julie, and Kathy Jaqua. Algebra Aerobics. Sept. 2011, 96–101.

Dick, Jonathan, and Maria Childrey. Enhancing Understanding of Transformation Matrices. Apr. 2012, 622–26.

Foley, Gregory D. The Shape of an Ellipse. Nov. 2011, 274–79.

Gould, S. Louise. Ponderings on Pocket-sized Polyhedra. Mar. 2012, 506–12.

Herman, Marlena. Exploring Conics: Why Does $B^2 - 4AC$ Matter? Mar. 2012, 526–32.

McKeny, Timothy, and Joanne Caniglia. Mathematical Lens: Mathematics and the Art of Sol LeWitt. May 2012, 652–56.

Trigonometric Functions

Lancaster, Ron, and Brigitte Bentele. Mathematical Lens: Mathematical Reasoning and Scents Making. Sept. 2011, 92–95.

Trigonometry

Dick, Jonathan, and Maria Childrey. Enhancing Understanding of Transformation Matrices. Apr. 2012, 622–26.

Doerr, Helen M., Donna J. Meehan, and AnnMarie H. O’Neil. A Natural Approach to the Number *e*. Feb. 2012, 432–39.

Herman, Marlena. Exploring Conics: Why Does $B^2 - 4AC$ Matter? Mar. 2012, 526–32.

Jones, Dustin L., and Max Coleman. Tapering Timbers: Finding the Volume of Conical Frustums. Mar. 2012, 500–505.

Karafiol, Paul J., Douglas H. O’Roark, and Alex W. Zorn. Delving Deeper: One Problem, Six (or More!) Solutions. Sept. 2011, 150–55.

Lancaster, Ron, and Brigitte Bentele. Mathematical Lens: Georgia on My Mind. Nov. 2011, 250–53.

Lancaster, Ron, and Brigitte Bentele. Mathematical Lens: Life Is a Bowl of Mathematics. Oct. 2011, 174–78.

Popelka, Susan R. Corner Reflector Mathematics. Sept. 2011, 112–19.

Variability

Gratzer, William. Delving Deeper: Teaching the Unthinkable in Introductory Statistics. Oct. 2011, 230–34.

Meredith, Joyce M. The Back Page: My Favorite Lesson. What’s the Difference? Aug. 2011, 80.

Volume

Bannister, Nicole A. The Back Page: My Favorite Lesson: A Sweet Way to Investigate Volume. Dec. 2011/Jan. 2012, 400.

Caglayan, Günhan. Mathematical Lens: A Mathematical Pyramid Scheme. Aug. 2011, 16–19.

Cooper, Linda L., and Martin C. Roberge. A River Runs through Math Class. May 2012, 658–64.

Hall, Randy F. Activities for Students: Error Tolerance Formulas Related to Classical Algebra and Geometry. Feb. 2012, 460–63.

Jones, Dustin L., and Max Coleman. Tapering Timbers: Finding the Volume of Conical Frustums. Mar. 2012, 500–505.

Livingstone, Jenny, and Julian F. Fleron. Technology Tips: Exploring Three-Dimensional Worlds Using Google SketchUp. Feb. 2012, 469–73.

Obara, Samuel, and Zhonghong Jiang. What’s Inside the Cube? Students’ Investigation with Models and Technology. Sept. 2011, 102–10.

Shafer, Kathryn G., Gina Severt, and Zachary A. Olson. Sketching Up the Digital Duck. Nov. 2011, 262–68.

Wilcock, Doug. Mathematical Lens: The Soft Drink Wars. Dec. 2011/Jan. 2012, 334–38.