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Proof: The Power of Persuasion. Mar., 202-5. Recent Improvements to the Sieve of Eratos-

thenes. Apr., 304-7.
Solving Equations in a Technological Environment. Feb., 156-62.

What Day Is It? Sept., 450-51.

# Pedagogy

Products, 412-13.

Publications, 333, 686.

Reader Reflections, 260, 478-479, 515, 611.

Active Learning in Mathematics: Desktop Teaching, Nov., 622–25.

Common Sense: The Most Important Standard. Mar., 182-84.

Descriptive-Paragraph Miniproject. May, 362-63.

From the General to the Particular: Knowing Our Own Students as Learners of Mathematics. Dec., 732–37.

Honing the Abilities of the Mathematically Promising. Oct., 582–86.

Issues and Aids for Teaching Mathematics to the Blind. May, 344-49 (see also Oct., 515).

Proof: The Power of Persuasion. Mar., 202–5. Supporting the Development of Mathematical Pedagogy. Feb., 138–43.

## Probability

Publications, 756.

Reader Reflections, 478, 676.

The Birthday Problem Explained. Jan., 20–22. Numbers, Please! The Telephone Directory and Probability. Dec., 704–5.

Realistic Problem Formulation and Problem Solving. Sept., 430-34.

Spreadsheets: Powerful Tools for Probability Simulations. Oct., 572–79.

## **Problem Solving**

Calendars, Jan., 34–42 (see also May, 415–16), Feb., 127–31(see also Nov., 682), Mar., 215–19 (see also Sept., 487 and Oct., 600), Apr. 295–99 (see also Dec., 767), May, 375–79 (see also Nov., 683 and Dec., 767), Sept., 463–68, Oct., 559–63, Nov., 647–51, Dec., 727–31.

Products, 254, 503.

Publications, 250, 604-5.

Reader Reflections, 65, 68–69, 239–40 (see also Sept., 486), 415–16, 486–87 (see also Mar., 215), 568, 600, 682, 683, 767.

Assessing Students' Performance on an Extended Problem-Solving Task: A Story from a Japanese Classroom. Nov., 658–64.

One Good Problem Leads to Another and Another and .... Mar., 188–91 (see also Oct., 568).

Problem Solving Does Not Have to Be a Problem. Oct., 536-42.

Realistic Problem Formulation and Problem Solving. Sept., 430-34.

# **Professional Development**

Projects, 336, 686, 688.

Algebraic Thinking: A Theme for Professional Development. Feb., 150-54.

## Reasoning and Proof

Publications, 334.

Reader Reflections, 67–68 (see also Oct., 571), 260 (see also Dec., 766), 566–68 (see also Jan., 8–12), 571.

Euclid, Fibonacci, Sketchpad. Jan., 8–12 (see also Sept., 480–81, 484 and Oct., 566, 568). The Perils of Conditional Statements and the Notion of Logical Equivalence. Oct., 544–48. Proof: The Power of Persuasion. Mar., 202–5. The Pythagorean Theorem: An Infinite Num-

ber of Proofs? Sept., 438–41. Reasoning with Algebra. Sept., 442–47.

#### Statistics

Projects, 503-4.

Publications, 250, 756.

Reader Reflections, 515, 566.

The Correlation Coefficient and Influential Data Points. Mar., 242–46 (see also Oct., 515, 566).

Data Analysis and the Hardrock 100. Apr., 274–76.

Visualizing Least-Square Lines of Best Fit. May, 404–8.

## **Teacher Education**

Projects, 503-4.

## **Technology**

Products, 250-51, 502.

Projects, 74.

Publications, 333, 410, 498-99.

Reader Reflections, 68, 260, 478, 515, 566 (see also Mar., 242–46), 566–68 (see also Jan., 8–12).

Calculus Reform and Graphing Calculators: A University View. May, 356–60, 363.

The Correlation Coefficient and Influential Data Points. Mar., 242–46 (see also Oct., 515, 566).

Euclid, Fibonacci, Sketchpad. Jan., 8–12 (see also Sept., 480–81, 484 and Oct., 566, 568).

Exploring a Parabolic Paradox with the Graphing Calculator. Sept., 488-93.

Extraneous Solutions and Graphing Calculators. Dec., 718–20.

Fishy Formulas. Nov., 666-71.

Generating Fractals through Self-Replication. Jan., 34–38, 43–45 (see also Sept., 484).

Getting into the "Swing" of Functions. Feb., 102-9.

How One Physics Teacher Changed His Algebraic Thinking. Feb., 86-89.

Investigating a Definite Integral—from Graphing Calculator to Rigorous Proof. Mar., 230–32.

Iterating Linear Functions—an Introduction to Dynamical Systems. Feb., 122–26, 132–36.

A Look at Parabolas with a Graphing Calculator, Apr., 278–82.

Parametric Equations, Maple, and Tubeplots. Nov., 612–13.

Solving Equations in a Technological Environment. Feb., 156-62.

Spreadsheets: Powerful Tools for Probability Simulations. Oct., 572–79.

Using a Graphing Utility as a Catalyst for Connections. Jan., 50-56.

Using Dynamic Geometry Software to Teach Graph Theory: Isomorphic, Bipartite, and Planar Graphs. Apr., 328–32. Using Technology to Introduce Radian Measure. Feb., 168-72.

Visualizing Least-Square Lines of Best Fit. May, 404-8.

Visualizing the Proof of the Mean-Value Theorem for Derivatives. Jan., 16–18.

## **Technology Reviews**

#### Algebra

Green Globs and Graphing Equations, Macintosh, System 6.0.7 or higher. Sept., 496.

#### Arithmetic

Mathematics, DOS 3.1 or higher. Sept., 497.

### Curriculum

FUNdamentallyMATH, IBM. Sept. 495–96. Hot Dog Stand: The Works. Macintosh/ Windows. Dec., 752.

An Introduction to Programming JAVA Applets, CD-ROM. Sept., 496–97.

LaserLab: A Virtual Laser Optics Workbench.
Dec., 752–53.

Theorist, Macintosh. Dec., 753.

#### Games/Puzzles

Reader Reflections, 239.

Escher Interactive: Exploring the Art of the Infinite, PC with 486SX/66 MHZ or higher processor. Oct., 604.

### Geometry

Chaos Demonstrations, PC with DOS 3.0 or higher. Sept., 494-95.

FX Draw, Ver. 1.2, Macintosh, DOS, Windows 3.1 or later. Dec., 752.

### Trigonometry

Boxer Trigonometry, CD-ROM for Windows, ver. 3.1 or higher. Sept., 494.

### Tests

Improving Classroom Tests as a Means of Improving Assessment. Jan., 58-64.

## Trigonometry

Publications, 250, 605.

Reader Reflections, 67.

Angled Sunshine, Seasons, and Solar Energy. Oct., 528–32.

A Look at Parabolas with a Graphing Calculator. Apr., 278–82.

Reciprocal Mappings: The Neglected Transformations. Apr. 322-27.

Trigonometry for the Energy-Conscious Architect. Oct., 564-65.

Using a Graphing Utility as a Catalyst for Connections. Jan., 50-56.

Using Technology to Introduce Radian Measure. Feb., 168–72.

