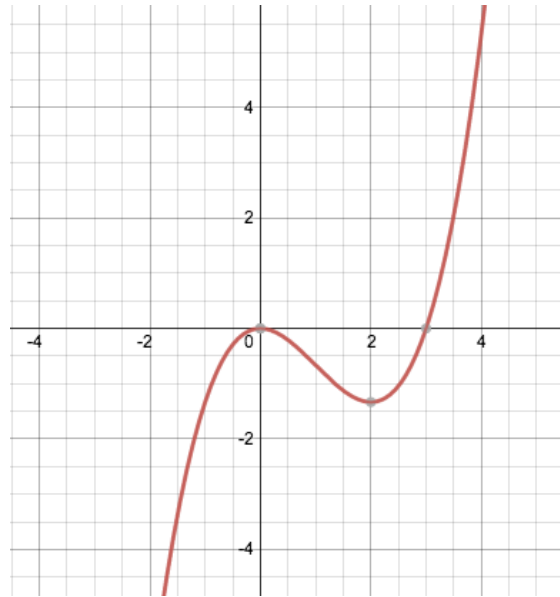


## Lynch – Homework assignment

### Assignment

1) This is the function  $g(x)$ . On your own graph paper:

- Graph the function  $h(x) = g(x) + 3$
- Graph the function  $j(x) = 2g(x)$
- Graph the function  $k(x) = g(x+1)$
- Graph the function  $m(x) = -g(x)$



2)  $f(x)$  is a function on the coordinate plane.

- Write a function  $a(x)$  that translates  $f(x)$  right three units
- Write a function  $b(x)$  that translates  $f(x)$  down six units
- Write a function  $c(x)$  that reflects  $f(x)$  over the y-axis
- Write a function  $d(x)$  that contracts  $f(x)$  by a scale factor of  $\frac{1}{2}$