

Functions and Parameter Changes - Review

Linear, Exponential, Quadratic, and Square Root Functions.
Label each type of function and answer the questions.

1a. Type: _____

Equation: _____

Domain: _____

Range: _____

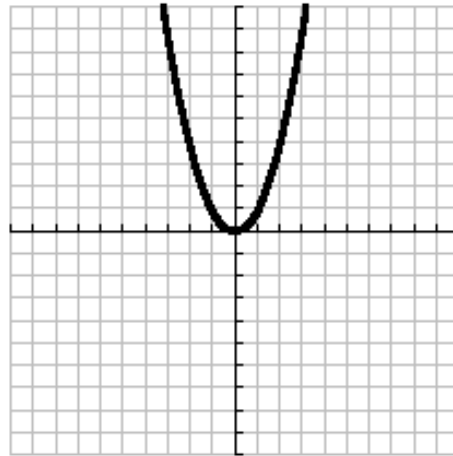
x-int.: _____ y-int.: _____

$f(0) =$ _____

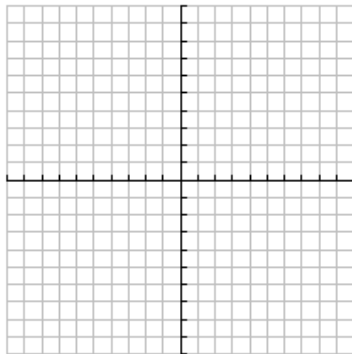
$f(1) =$ _____ $f(-1) =$ _____

$f(2) =$ _____ $f(-2) =$ _____

$y = f(x)$

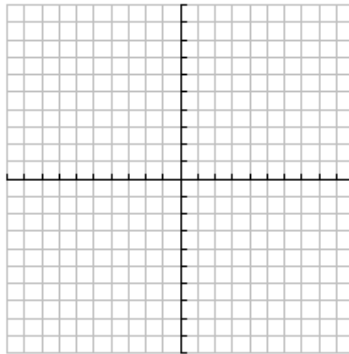


1b. Graph: $y = f(x) + 3$
and $y = f(x) - 4$



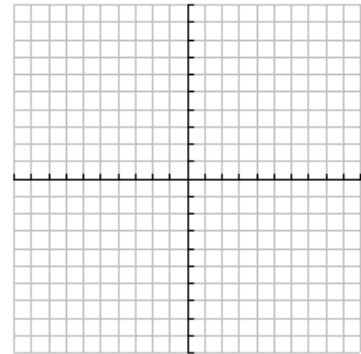
What effect did this parameter change have?:

1c. Graph: $y = f(x + 3)$
and $y = f(x - 4)$



What effect did this parameter change have?:

1d. Graph: $y = f(-x)$
and $y = -f(x)$



What effect did this parameter change have?:

2a. Type: _____

Equation: _____

Domain: _____

Range: _____

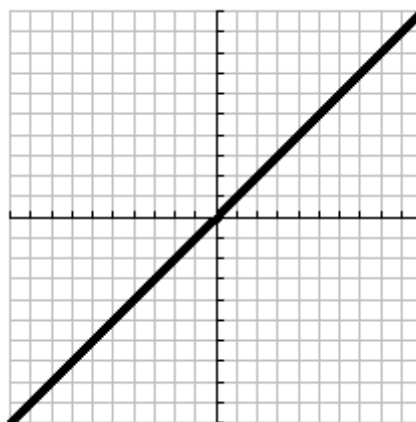
x-int.: _____ y-int.: _____

$g(0) =$ _____

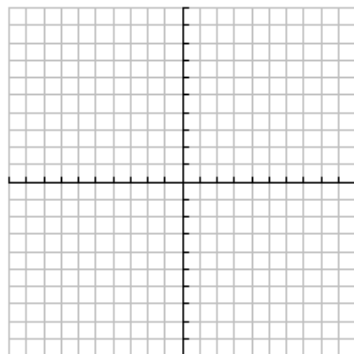
$g(1) =$ _____ $g(-1) =$ _____

$g(2) =$ _____ $g(-2) =$ _____

$y = g(x)$

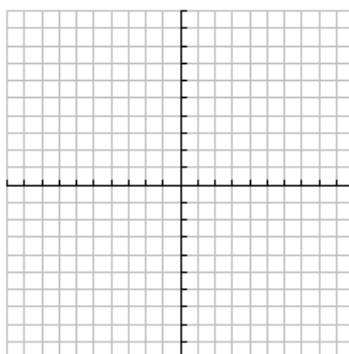


2b. Graph: $y = g(x) + 3$
and $y = g(x) - 4$



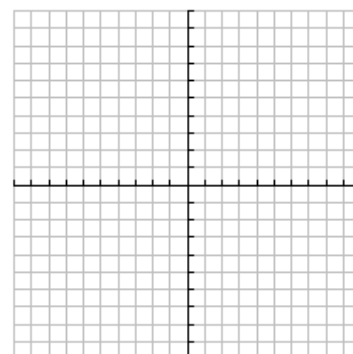
What effect did this parameter change have?:

2c. Graph: $y = g(x + 3)$
and $y = g(x - 4)$



What effect did this parameter change have?:

2d. Graph: $y = g(-x)$
and $y = -g(x)$



What effect did this parameter change have?:

3a. Type: _____

Equation: _____

Domain: _____

Range: _____

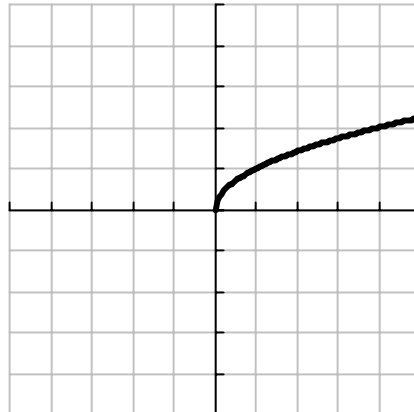
x-int.: _____ y-int.: _____

$h(0) =$ _____

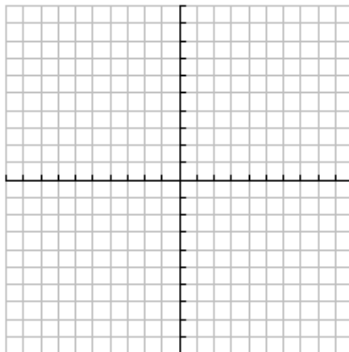
$h(1) =$ _____ $h(-1) =$ _____

$h(2) =$ _____ $h(-2) =$ _____

$y = h(x)$

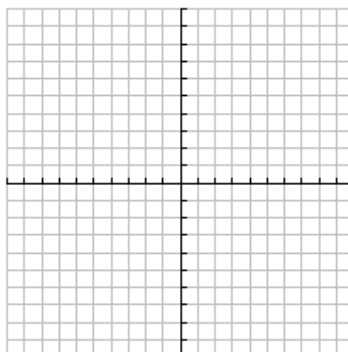


3b. Graph: $y = h(x) + 3$
and $y = h(x) - 4$



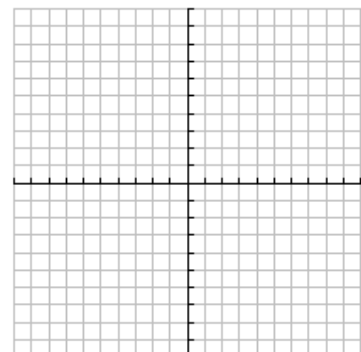
What effect did this parameter change have?:

3c. Graph: $y = h(x + 3)$
and $y = h(x - 4)$



What effect did this parameter change have?:

3d. Graph: $y = h(-x)$
and $y = -h(x)$



What effect did this parameter change have?:

4a. Type: _____

Equation: _____

Domain: _____

Range: _____

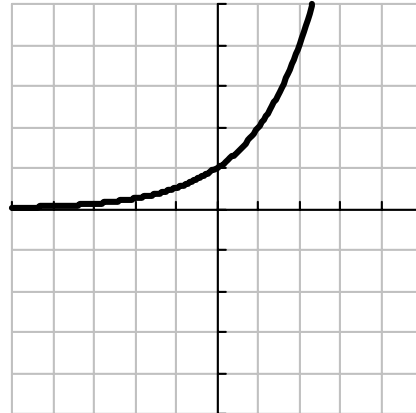
x-int.: _____ y-int.: _____

$k(0) =$ _____

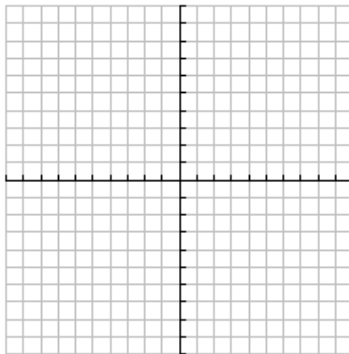
$k(1) =$ _____ $k(-1) =$ _____

$k(2) =$ _____ $k(-2) =$ _____

$y = k(x)$

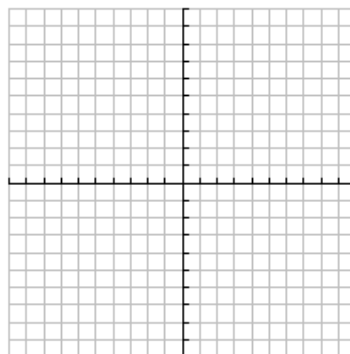


4b. Graph: $y = k(x) + 3$
and $y = k(x) - 4$



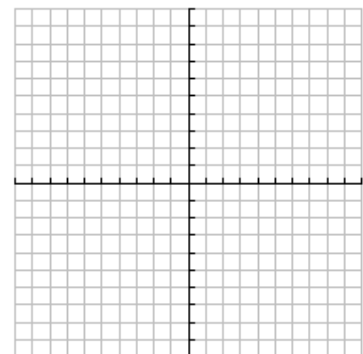
What effect did this parameter change have?:

4c. Graph: $y = k(x + 3)$
and $y = k(x - 4)$



What effect did this parameter change have?:

4d. Graph: $y = k(-x)$
and $y = -k(x)$



What effect did this parameter change have?:
