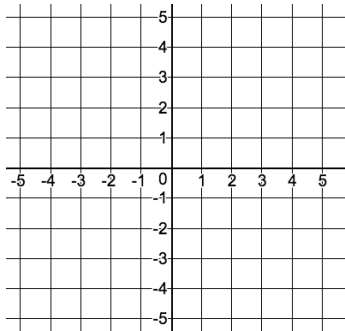
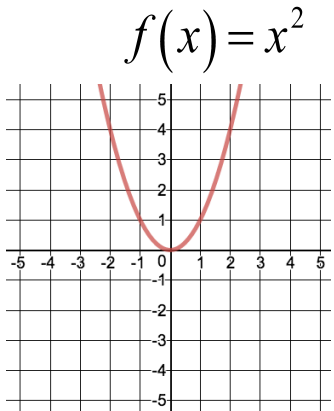
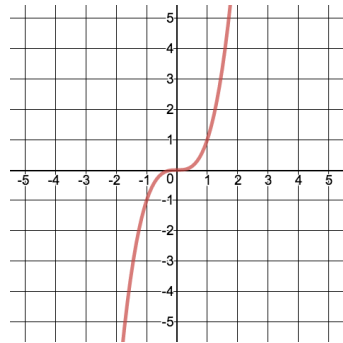


Transformation: $f(x) + k$

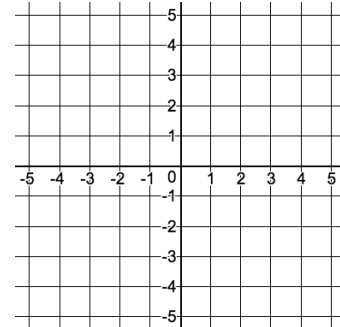
$$f(x) + 2$$



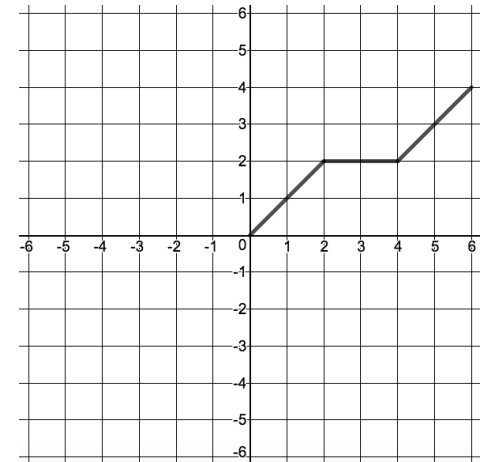
$$f(x) = x^3$$



$$f(x) + 3$$

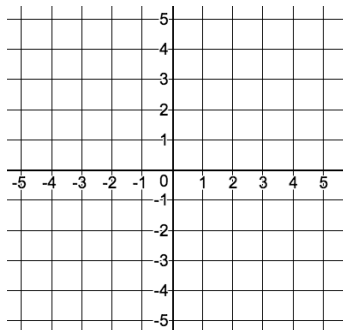
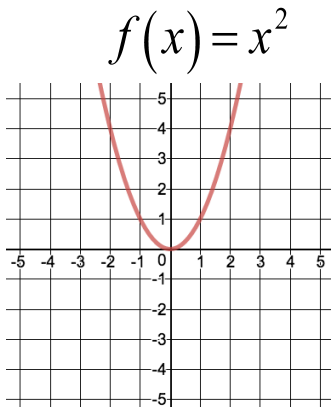


$$f(x) + 1$$

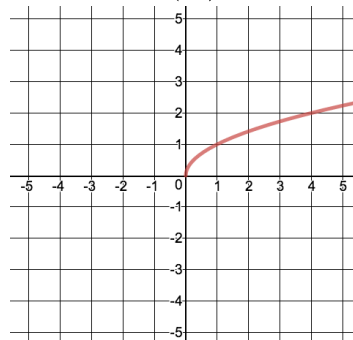


Transformation: $f(x) - k$

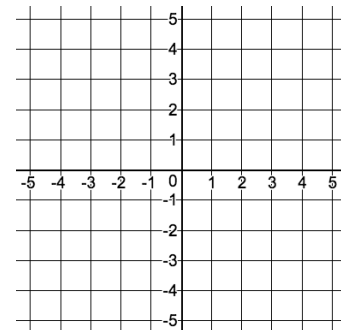
$$f(x) - 1$$



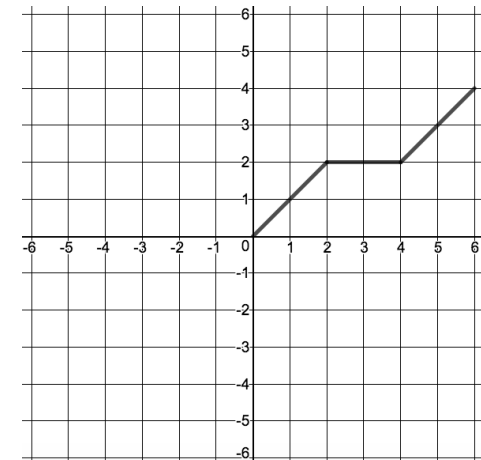
$$f(x) = \sqrt{x}$$



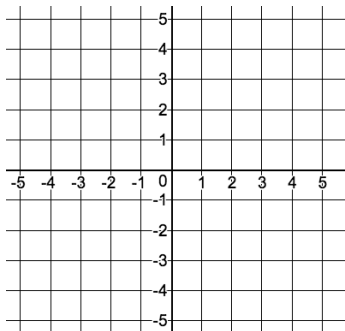
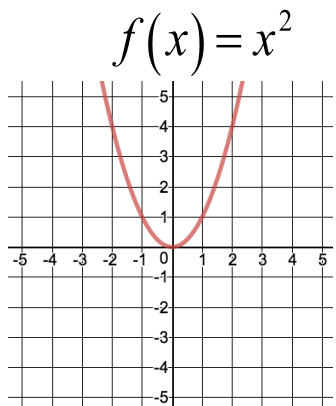
$$f(x) - 2$$



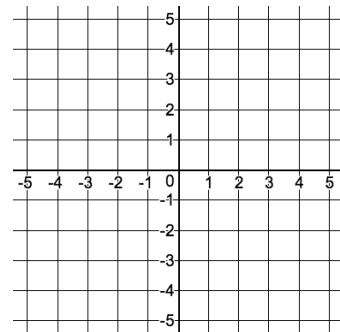
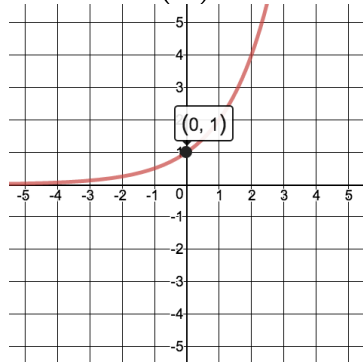
$$f(x) - 4$$



Transformation: $f(x+h, k)$
 $f(x+2)$

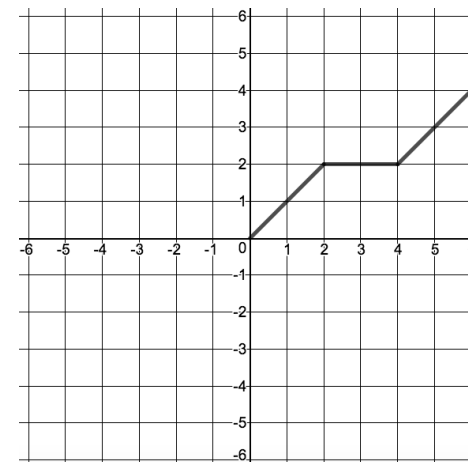


$$f(x) = 2^x$$



$$f(x+1)$$

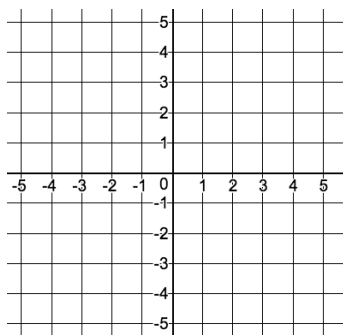
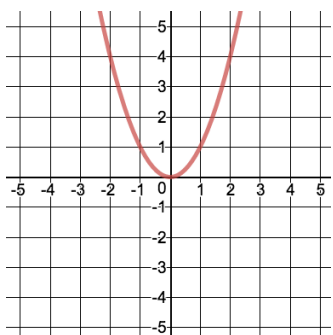
$$f(x+3)$$



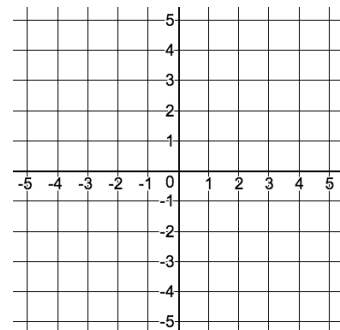
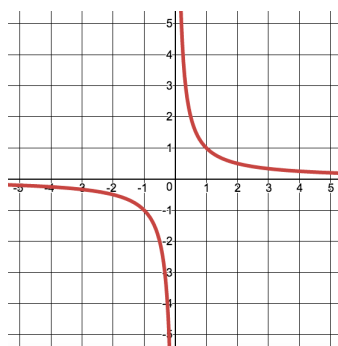
Transformation: $f(x+h, k)$

$$f(x-3)$$

$$f(x) = x^2$$

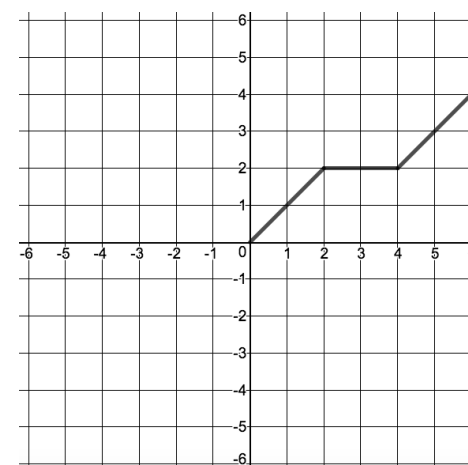


$$f(x) = \frac{1}{x}$$



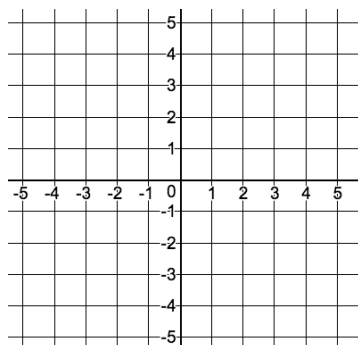
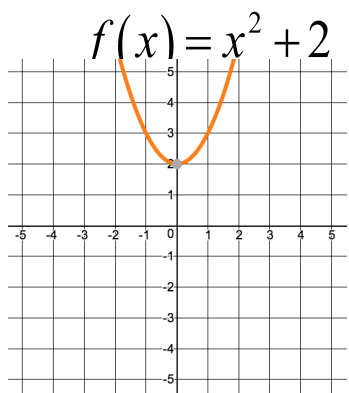
$$f(x-2)$$

$$f(x-1)$$

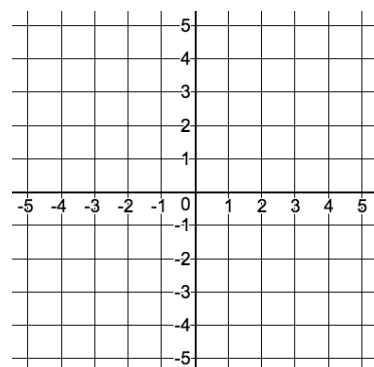
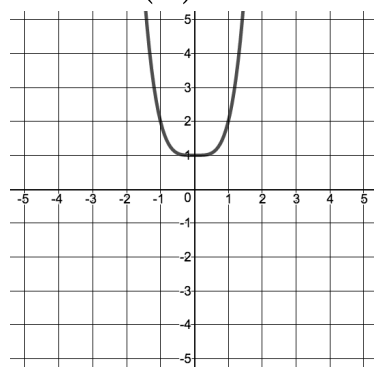


Transformation: $-f(x)$

$-f(x)$

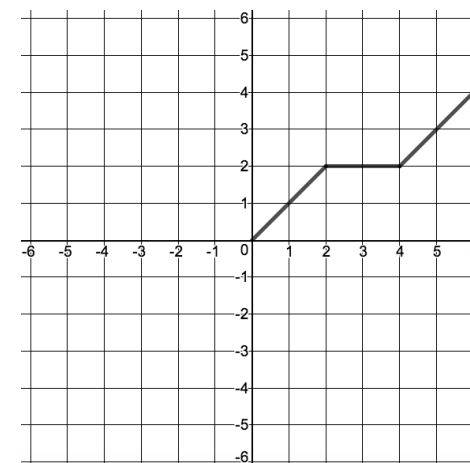


$f(x) = x^4 + 1$



$-f(x)$

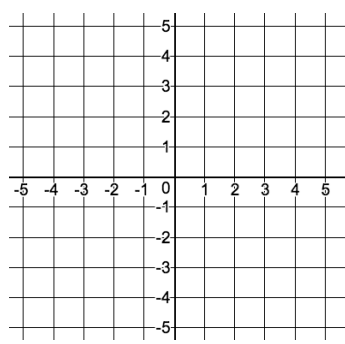
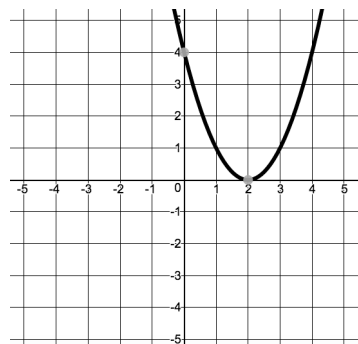
$-f(x)$



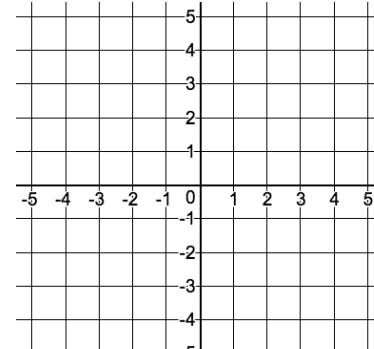
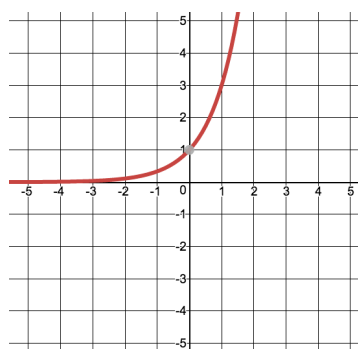
Transformation: $f(-x)$

$f(-x)$

$f(x) = (x - 2)^2$

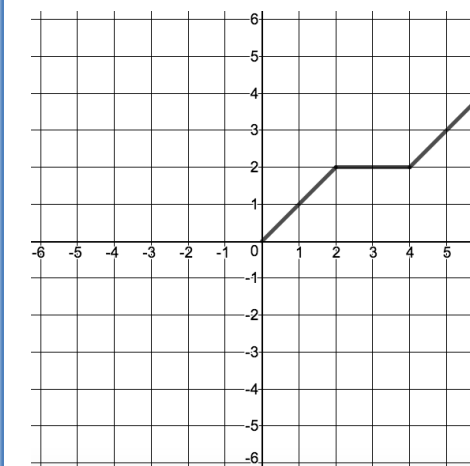


$f(x) = 3^x$



$f(-x)$

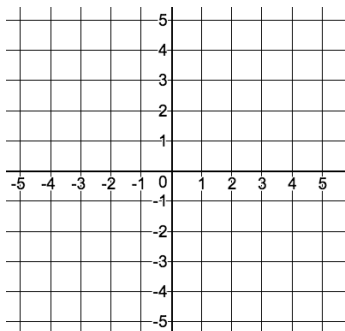
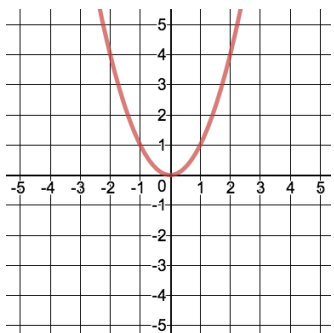
$f(-x)$



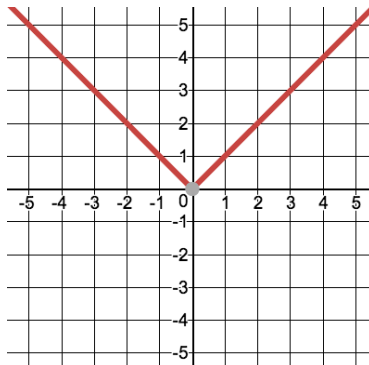
Transformation: $f(qx)$

$$f(2x)$$

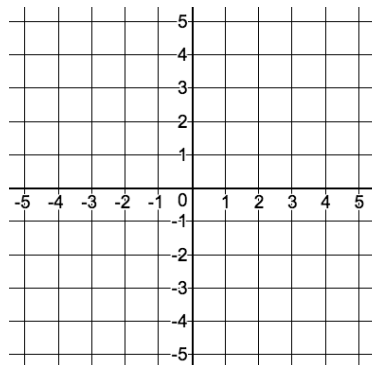
$$f(x) = x^2$$



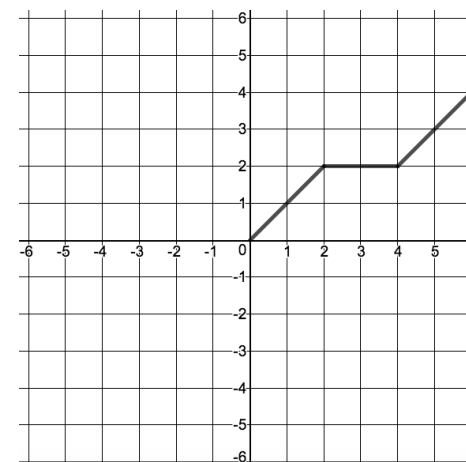
$$f(x) = |x|$$



$$f\left(\frac{1}{2}x\right)$$



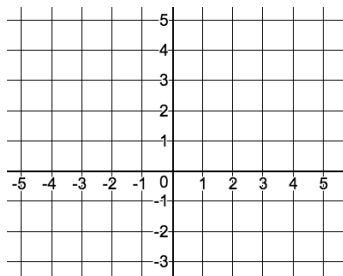
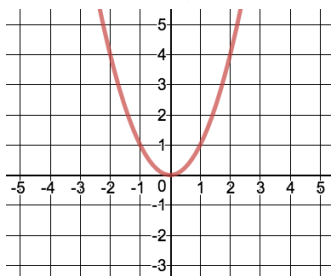
$$f(2x)$$



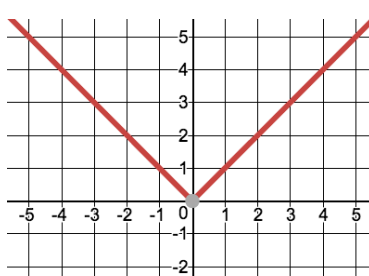
Transformation: $pf(x)$

$$2f(x)$$

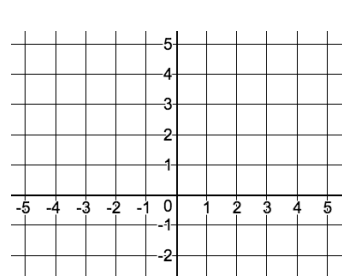
$$f(x) = x^2$$



$$f(x) = |x|$$



$$2f(x)$$



$$1.5f(x)$$

