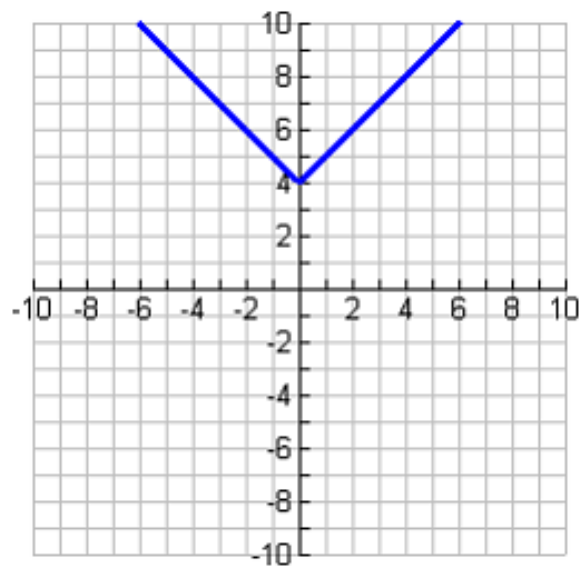
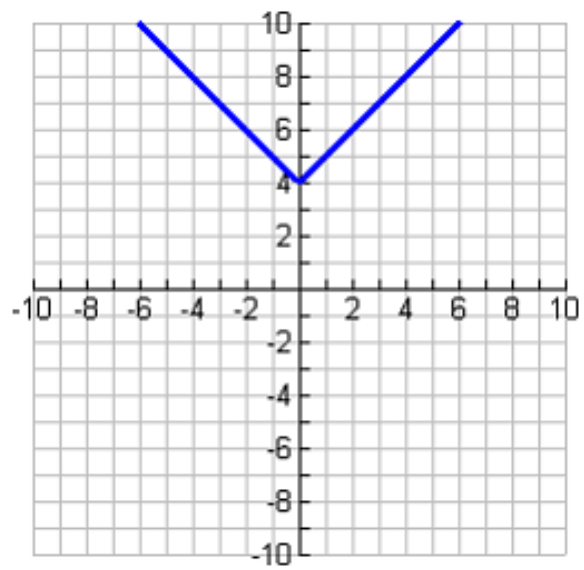
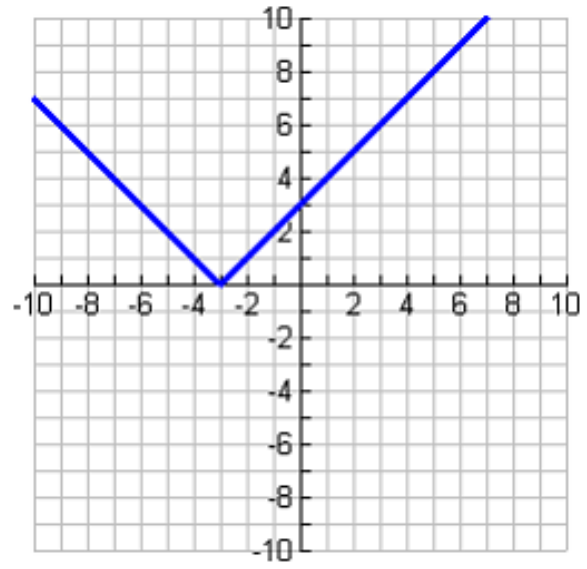


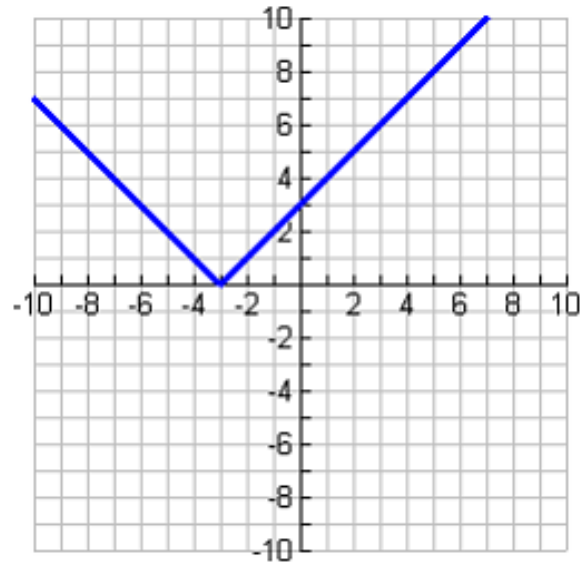
Horizontal shift right by 4
 $f(x) = (x-4)^2$



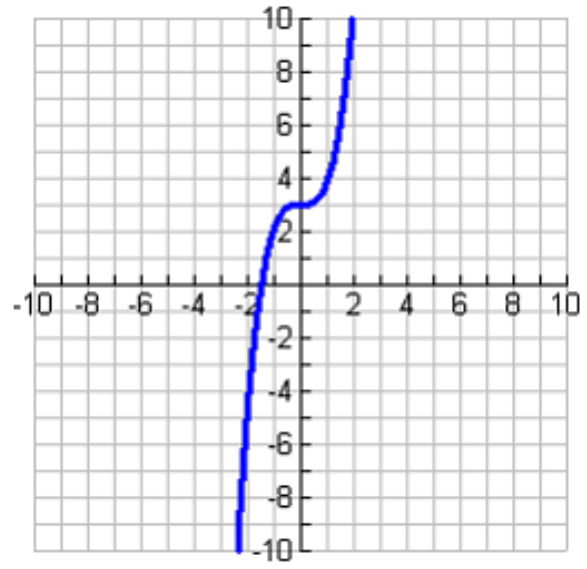


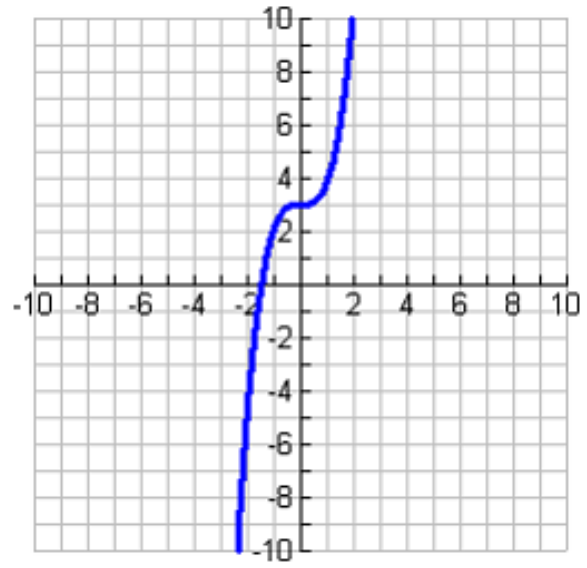
Vertical shift up by 4
 $f(x) = |x| + 4$



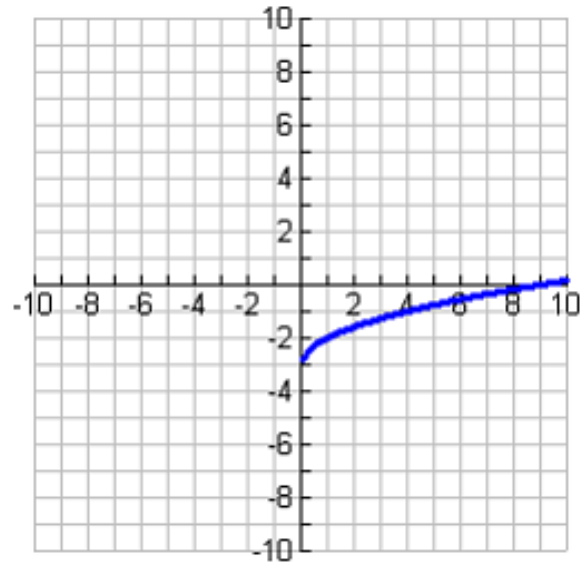


Horizontal shift left by 3
 $f(x) = |x+3|$



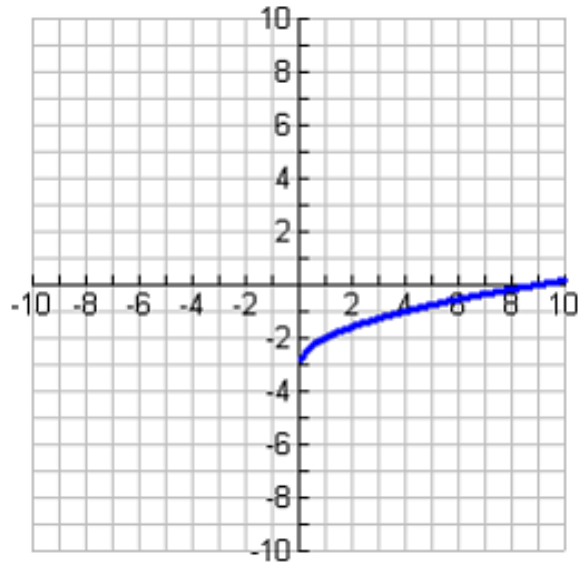


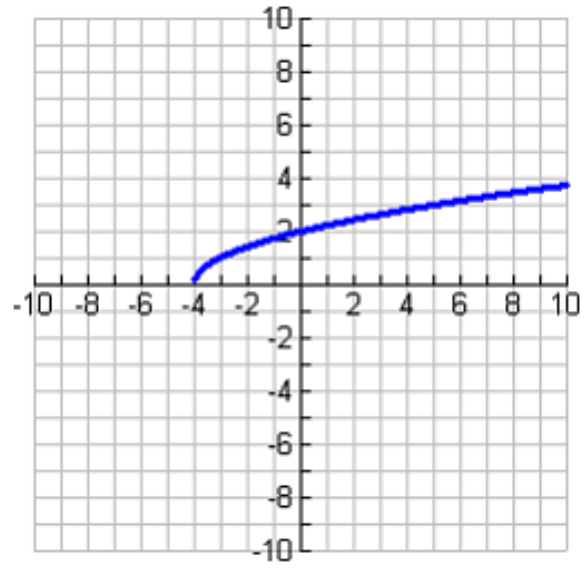
Vertical shift up by 3
 $f(x) = x^3 + 3$

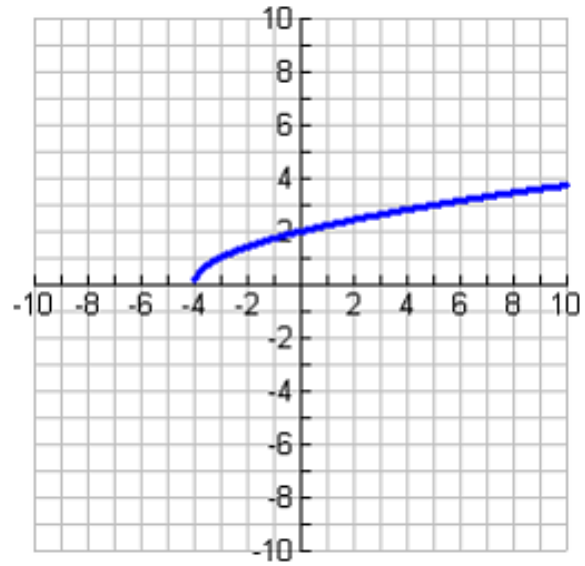


Vertical shift down by 3

$$f(x) = \sqrt{x} - 3$$

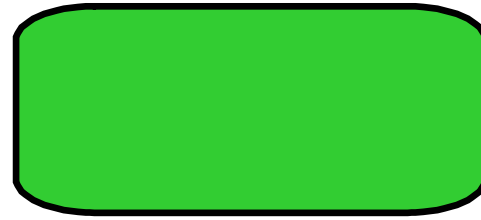
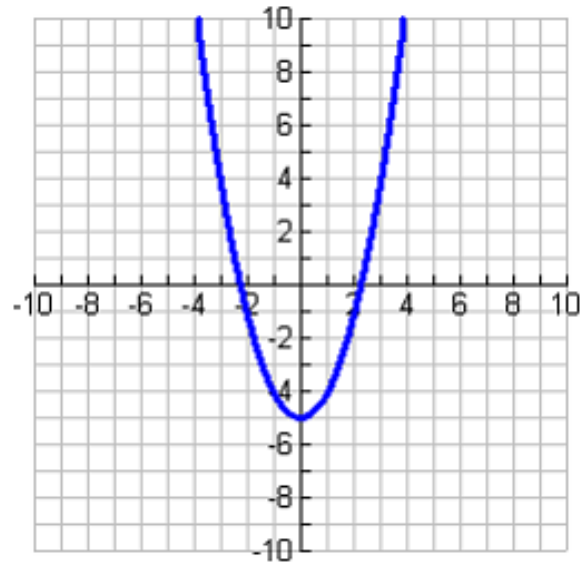


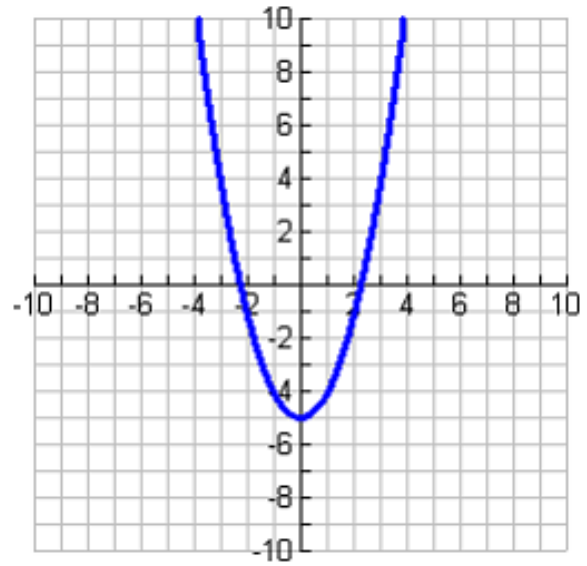




Horizontal shift left by 4

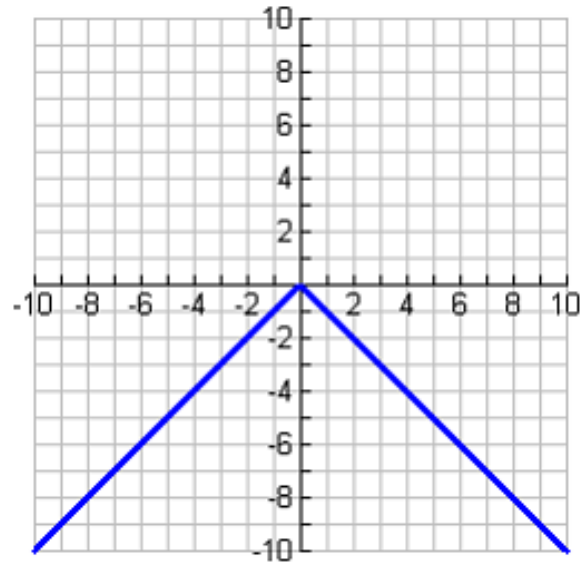
$$f(x) = \sqrt{x+4}$$

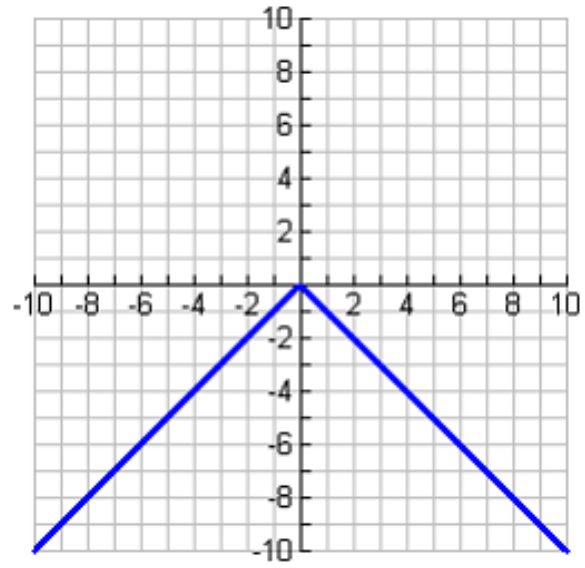




Vertical shift down by 5

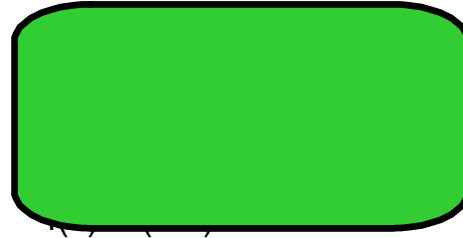
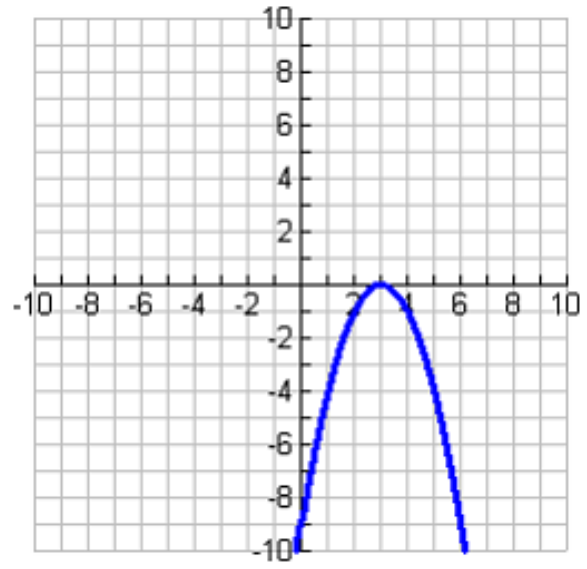
$$f(x) = x^2 - 5$$





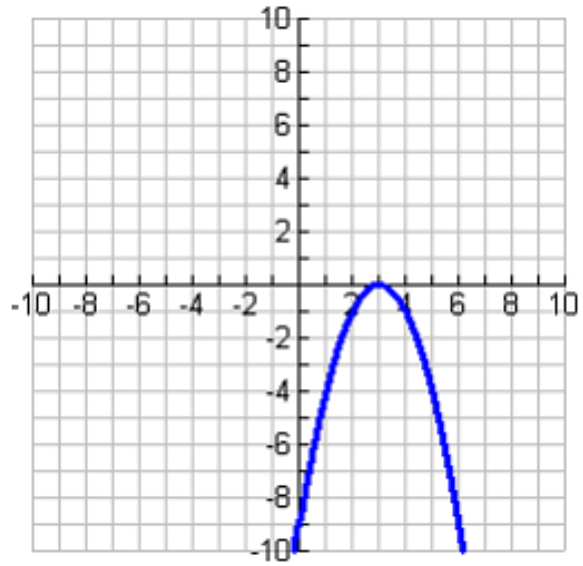
Reflected over the x axis

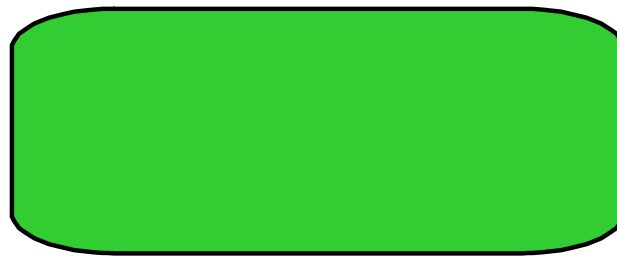
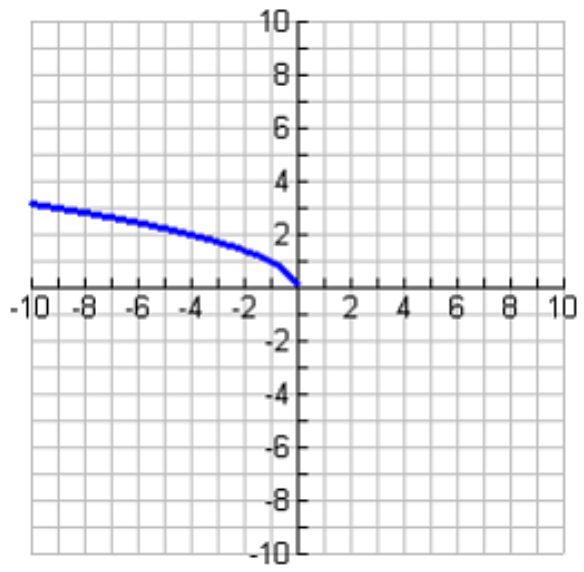
$$f(x) = -|x|$$

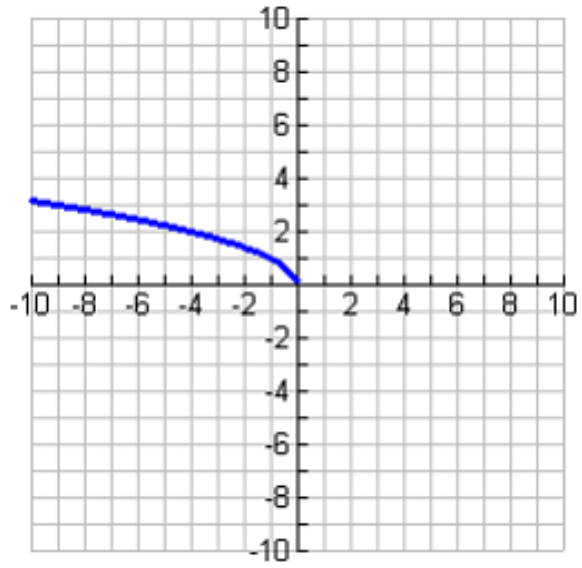


Horizontal shift right by 3
and
Reflect over the x-axis

$$f(x) = -(x-3)^2$$

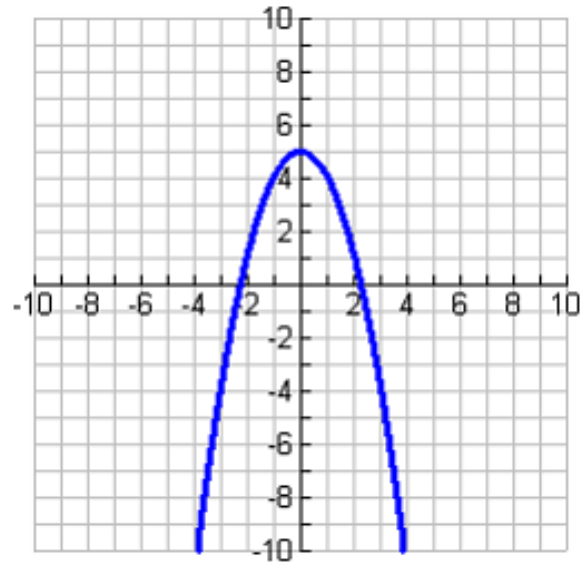


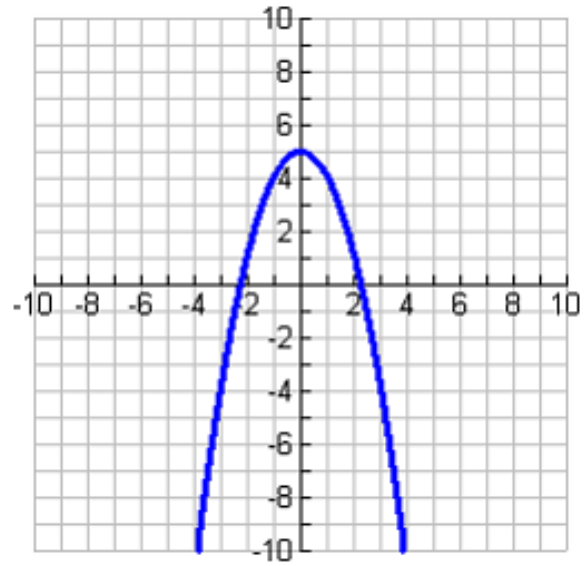




Reflect over the y-axis

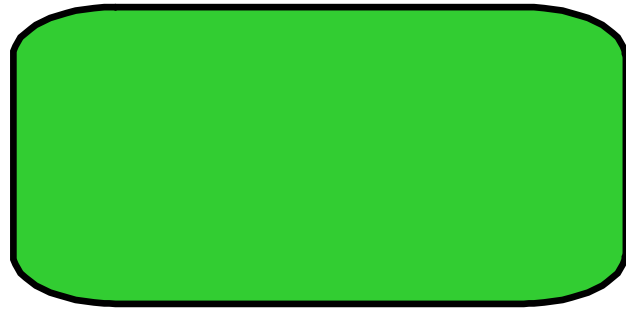
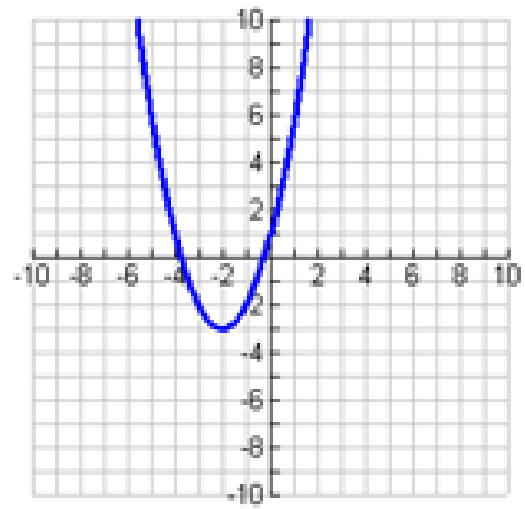
$$f(x) = -\sqrt{x}$$

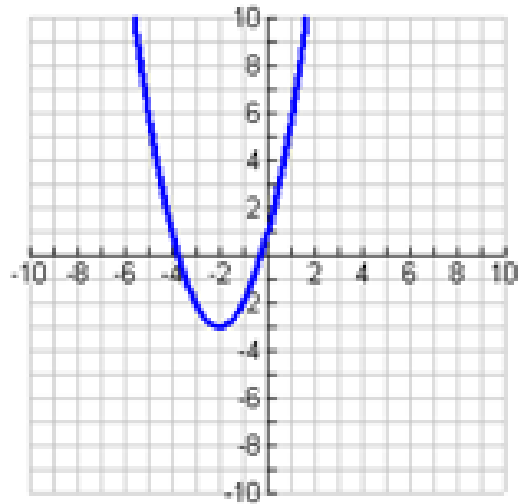




Reflect over the x-axis
Vertical shift up by 5

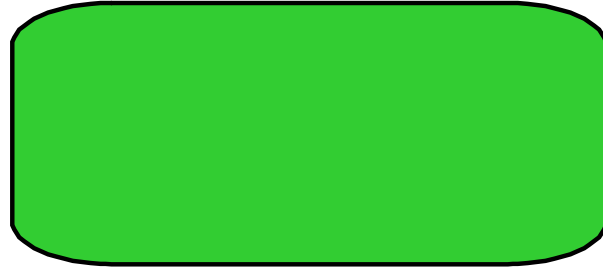
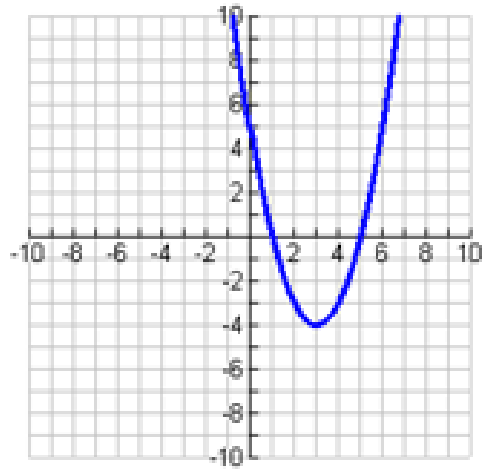
$$f(x) = -x^2 + 5$$





Horizontal shift left of 2
Vertical shift down of 3

$$f(x) = (x+2)^2 - 3$$



Horizontal shift right of 3
Vertical shift down of 4

$$f(x) = (x-3)^2-4$$

