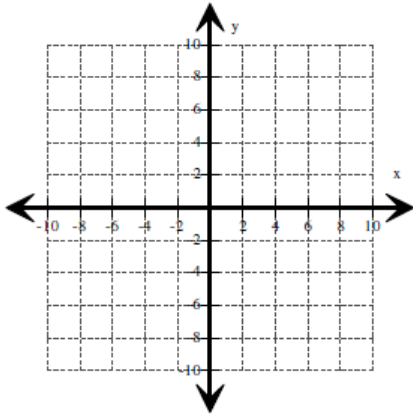


1. Draw the graph  $f(x) = x^2$       2. Give the functions Domain and Range

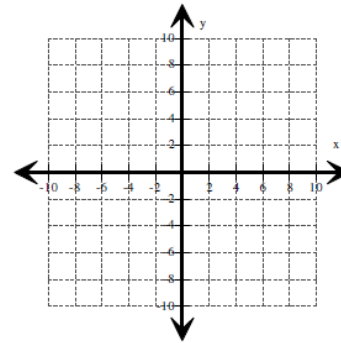
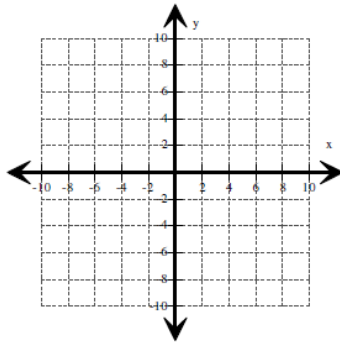
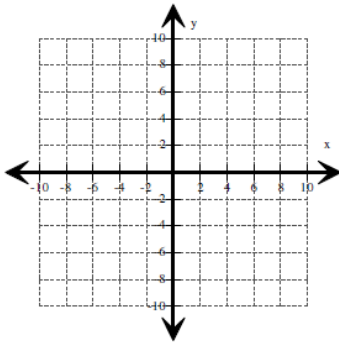


Graph each function below. Describe the translation of the parent function  $f(x) = x^2$ . Then give the functions Domain and Range

1.  $f(x) = (x-1)^2$

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

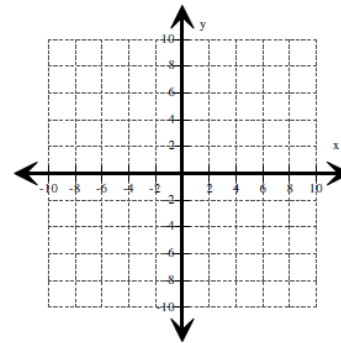
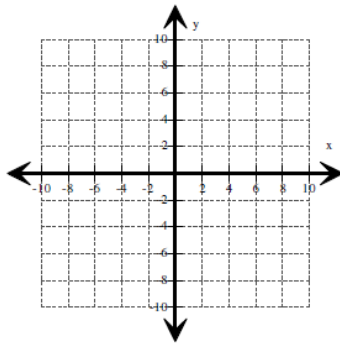
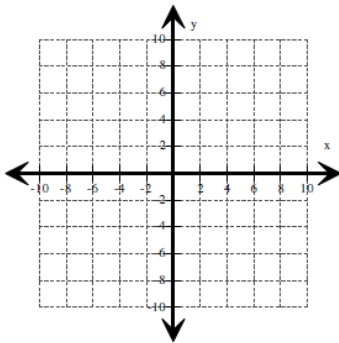
3.  $f(x) = x^2 - 4$



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

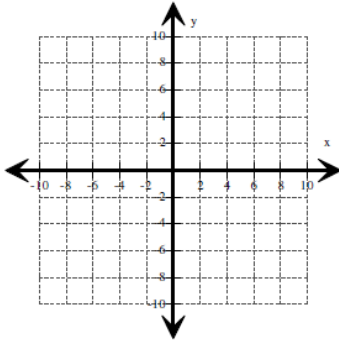
5.  $f(x) = (x-3)^2$

6.  $f(x) = x^2 + 4$

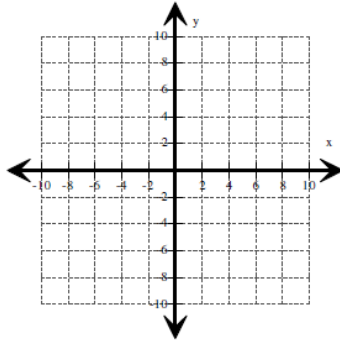


Graph each function below. Describe the translation of the parent function  $f(x) = x^2$ . Then give the functions Domain and Range

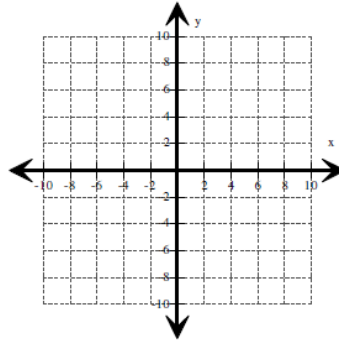
1.  $f(x) = (x-5)^2 + 2$



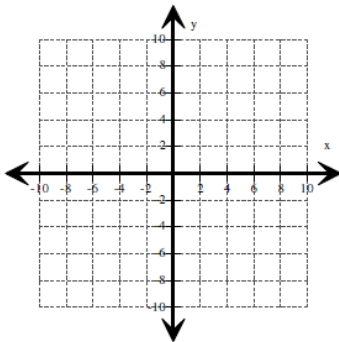
2.  $f(x) = (x+1)^2 - 3$



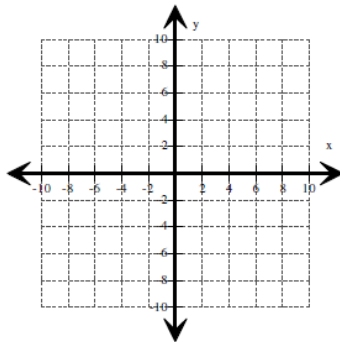
3.  $f(x) = (x-2)^2 + 4$



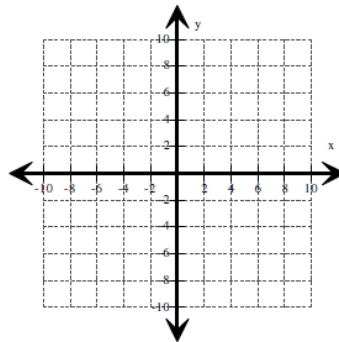
4.  $f(x) = (x+4)^2 + 1$



5.  $f(x) = (x-6)^2 + 2$

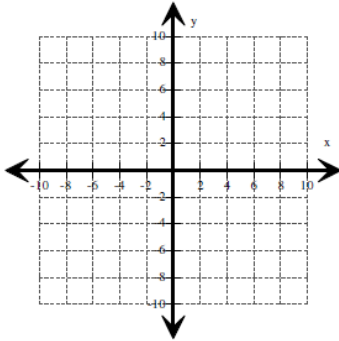


6.  $f(x) = (x-3)^2 - 7$

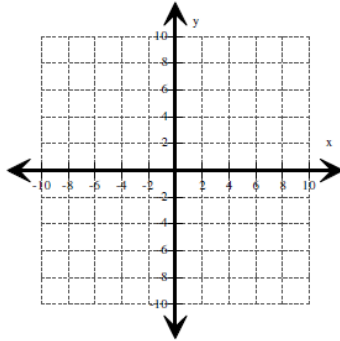


Graph each function below. Describe the transformation of the parent function  $f(x) = x^2$ . Then give the functions Domain and Range

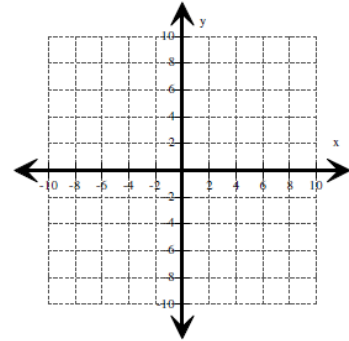
1.  $f(x) = -(x-6)^2 + 5$



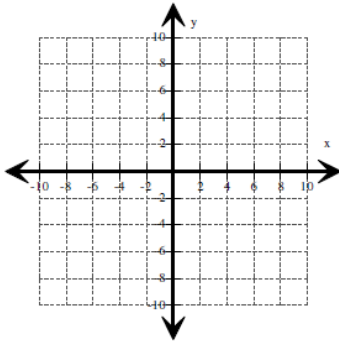
2.  $f(x) = (x+1)^2 + 3$



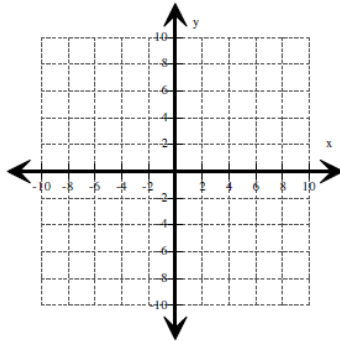
3.  $f(x) = (x-4)^2 + 1$



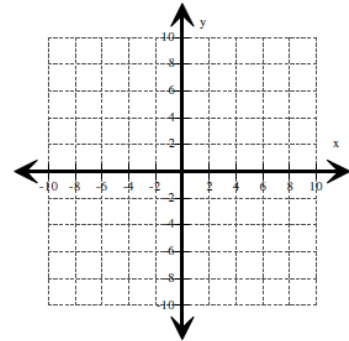
4.  $f(x) = -(x+3)^2 + 3$



5.  $f(x) = (x+2)^2 - 4$

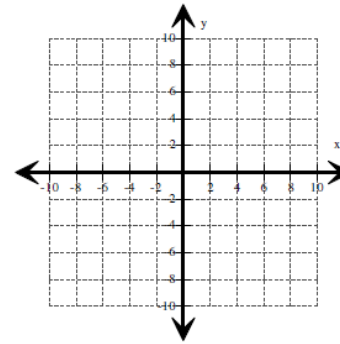
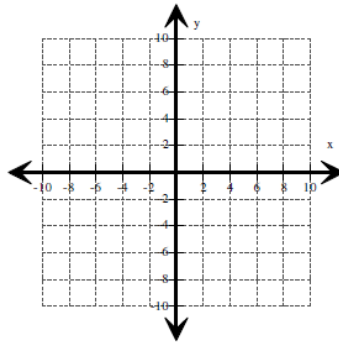
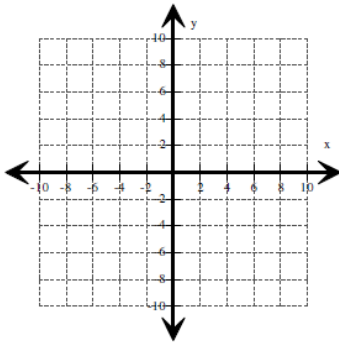


6.  $f(x) = -(x+4)^2 - 4$

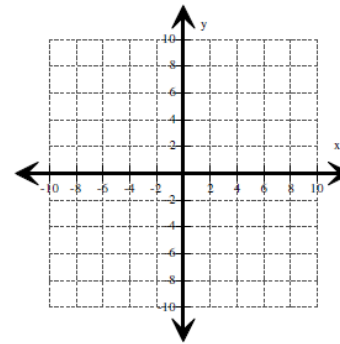
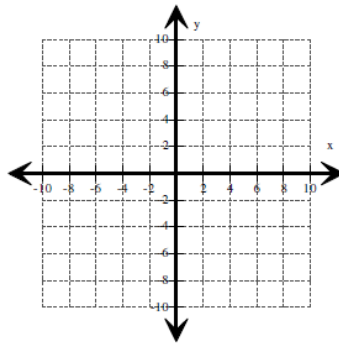
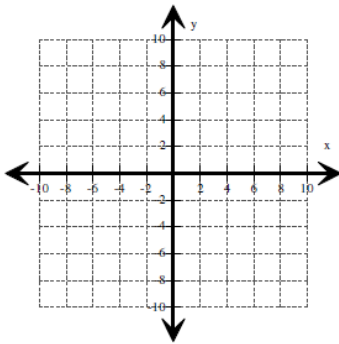


Graph each function below. Describe the transformation of the parent function  $f(x) = x^2$ . Then give the functions Domain and Range

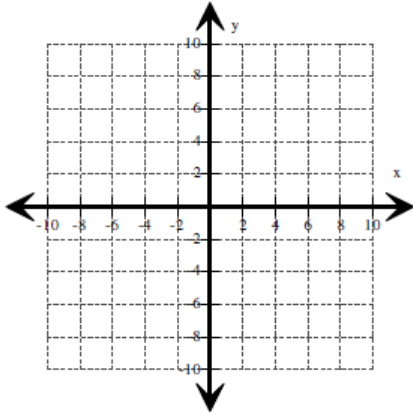
1.  $f(x) = -2(x-6)^2 + 5$     2.  $f(x) = .5(x+1)^2 + 3$     3.  $f(x) = 3(x-4)^2 + 1$



4.  $f(x) = -3(x+3)^2 + 3$     5.  $f(x) = .25(x+2)^2 - 4$     6.  $f(x) = -1.5(x+4)^2 - 4$

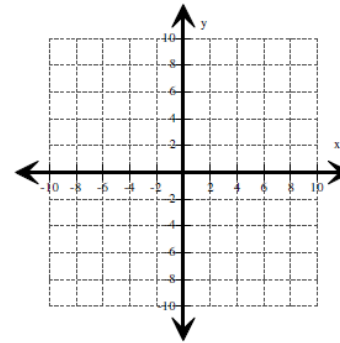
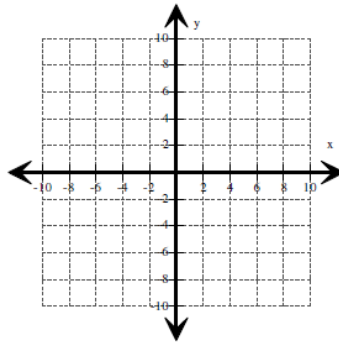
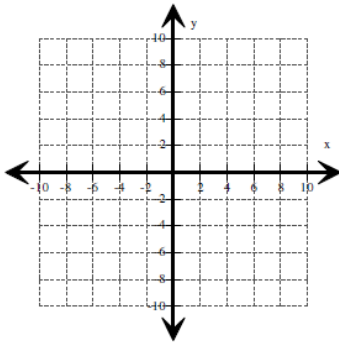


1. Draw the graph  $f(x) = |x|$       2. Give the functions Domain and Range

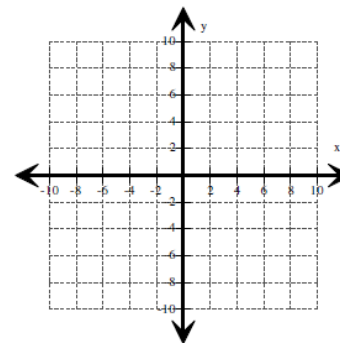
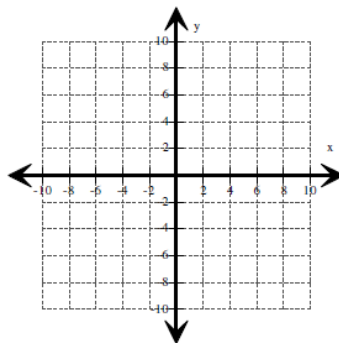
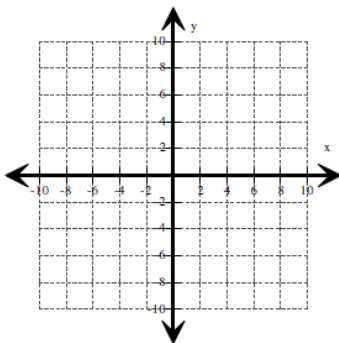


Graph each function below. Describe the translation of the parent function  $f(x) = |x|$ . Then give the functions Domain and Range

1.  $f(x) = |x| + 1$       2.  $f(x) = |x| - 6$       3.  $f(x) = |x + 2|$

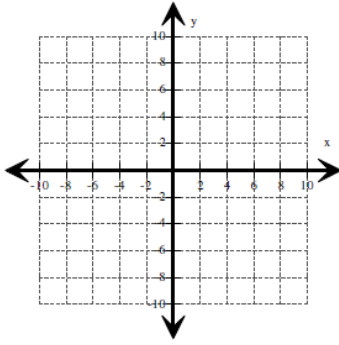


4.  $f(x) = |x - 2|$       5.  $f(x) = |x + 5|$       6.  $f(x) = |x| - 3$

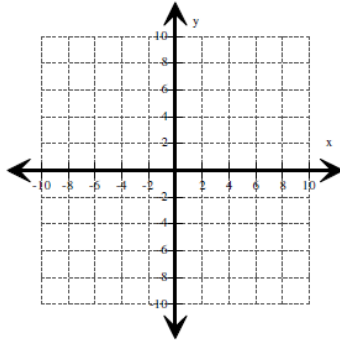


Graph each function below. Describe the translation of the parent function  $f(x) = |x|$ . Then give the functions Domain and Range

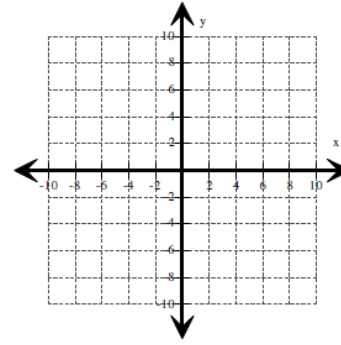
1.  $f(x) = |x+2| - 4$



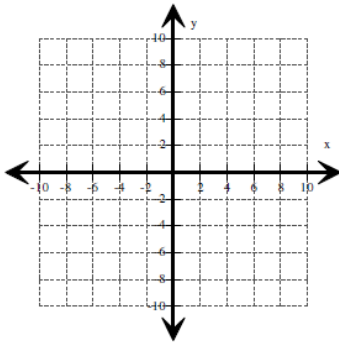
2.  $f(x) = |x-3| - 6$



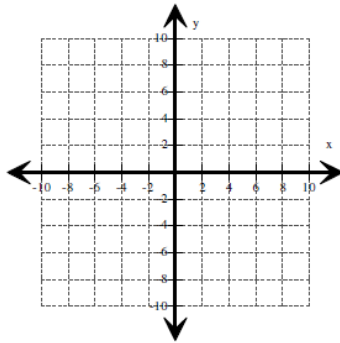
3.  $f(x) = |x-1| + 3$



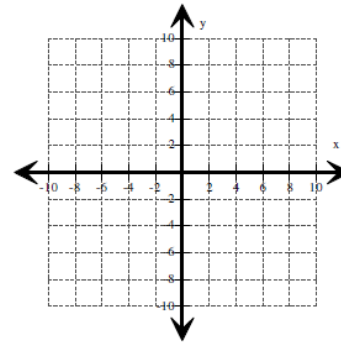
4.  $f(x) = |x+3| - 1$



5.  $f(x) = |x+3| + 5$

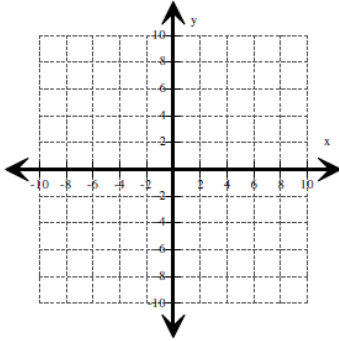


6.  $f(x) = |x-4| + 1$

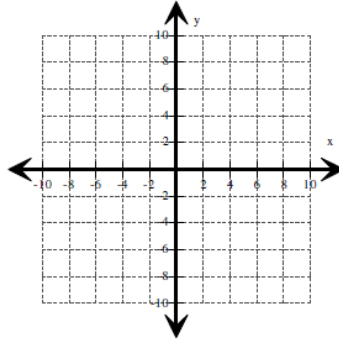


Graph each function below. Describe the transformation of the parent function  $f(x) = |x|$ . Then give the functions Domain and Range

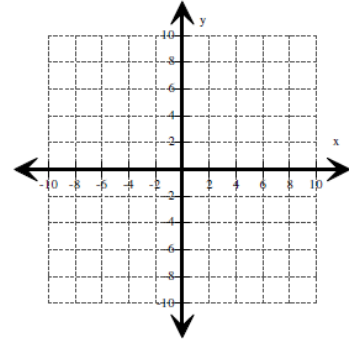
1.  $f(x) = |x+3|+2$



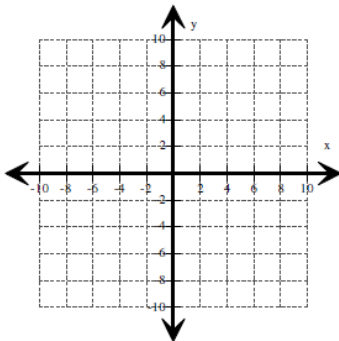
2.  $f(x) = -|x+3|+5$



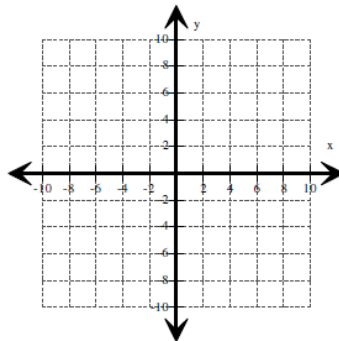
3.  $f(x) = -|x-5|-2$



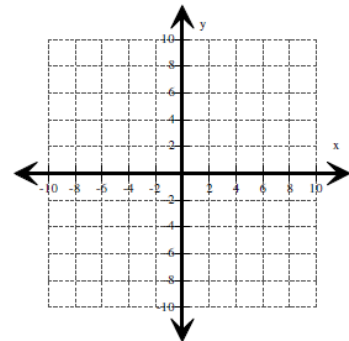
4.  $f(x) = -|x-2|-3$



5.  $f(x) = |x+6|+1$



6.  $f(x) = -|x+3|-4$

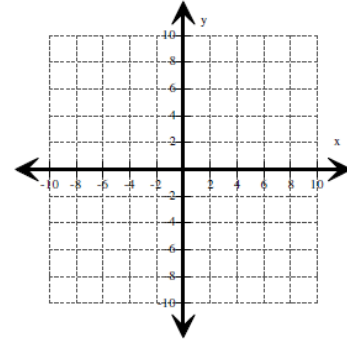
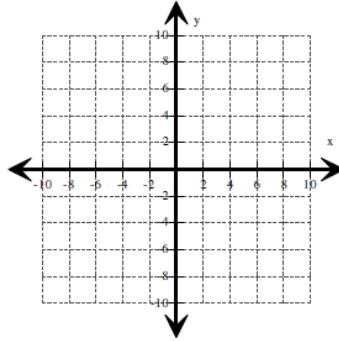
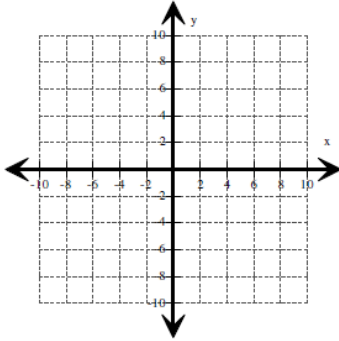


Graph each function below. Describe the transformation of the parent function  $f(x) = |x|$ . Then give the functions Domain and Range

1.  $f(x) = -2|x-1|+5$

2.  $f(x) = .5|x-1|+3$

3.  $f(x) = 3|x-2|+1$



4.  $f(x) = -3|x+2|+3$

5.  $f(x) = .25|x+1|-4$

6.  $f(x) = -1.5|x+3|-2$

