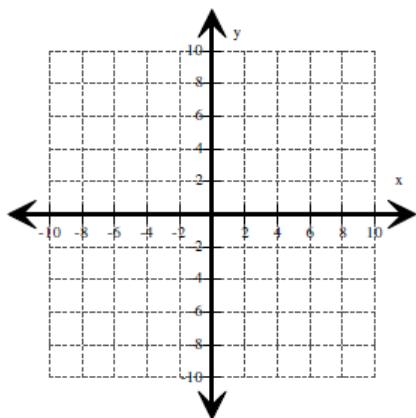
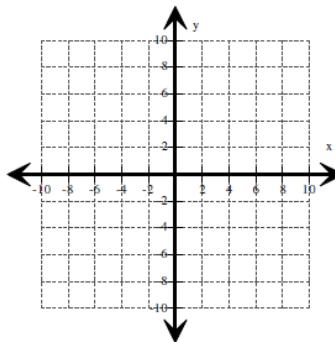


1. Draw the graph $f(x) = x^2$ 2. Give the functions Domain and Range

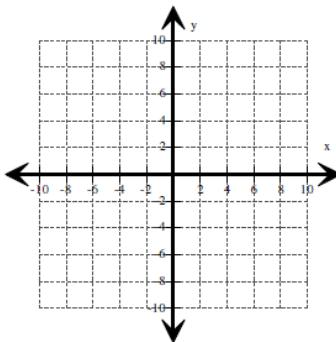


Graph each function below. Describe the translation of the parent function $f(x) = x^2$. Then give the functions Domain and Range

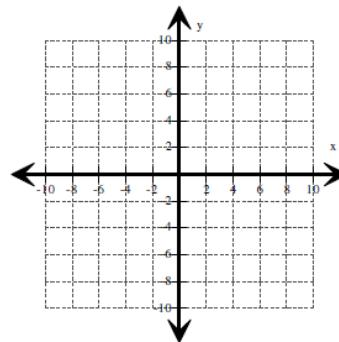
1. $f(x) = (x - 1)^2$



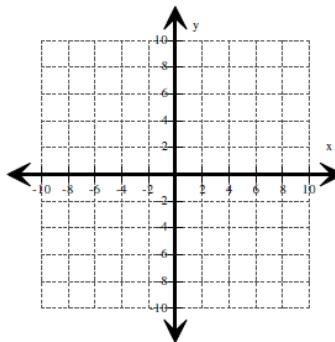
2. $f(x) = (x + 3)^2$



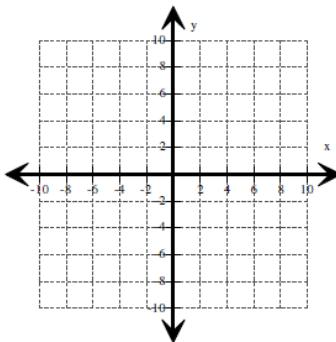
3. $f(x) = x^2 - 4$



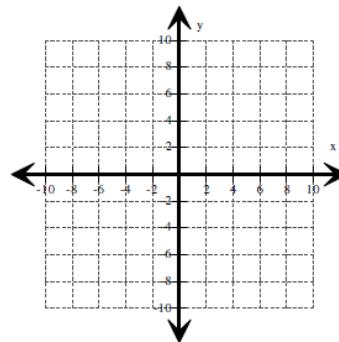
4. $f(x) = x^2 - 2$



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

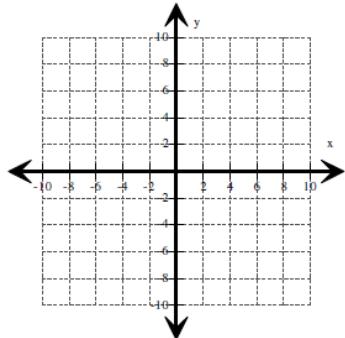


6. $f(x) = x^2 + 4$

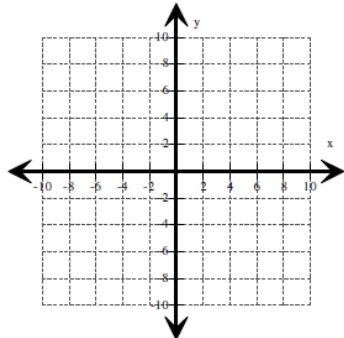


Graph each function below. Describe the translation of the parent function $f(x) = x^2$. Then give the functions Domain and Range

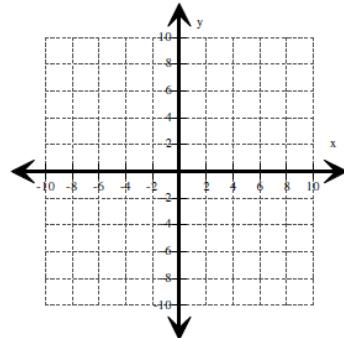
1. $f(x) = (x - 5)^2 + 2$



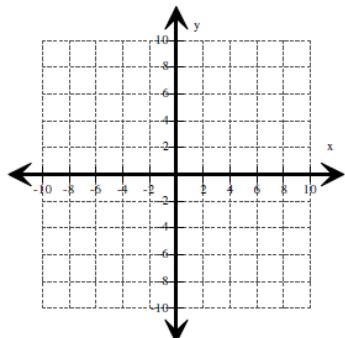
2. $f(x) = (x + 1)^2 - 3$



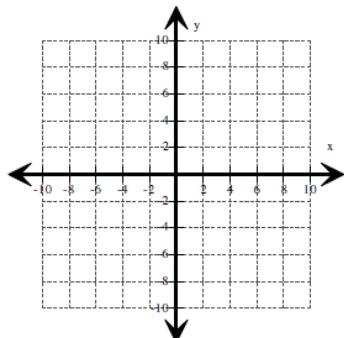
3. $f(x) = (x - 2)^2 + 4$



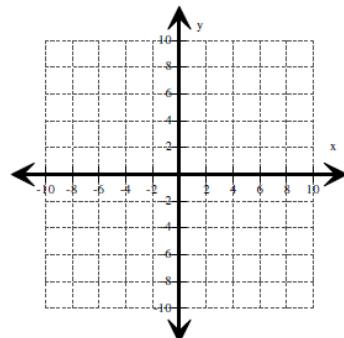
4. $f(x) = (x + 4)^2 + 1$



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

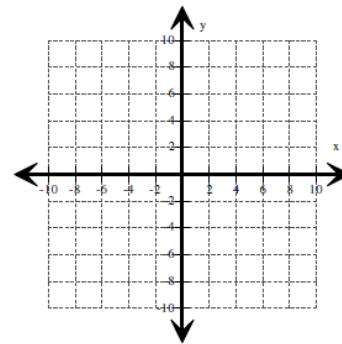
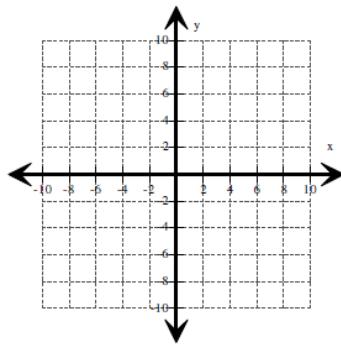
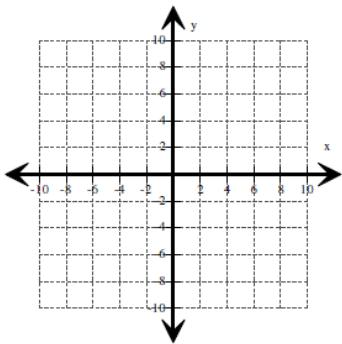


6. $f(x) = (x - 3)^2 - 7$

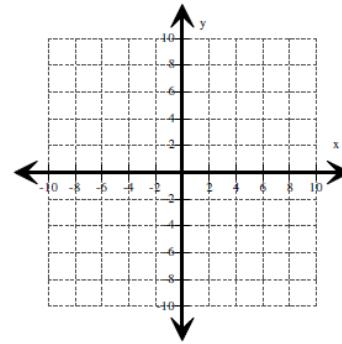
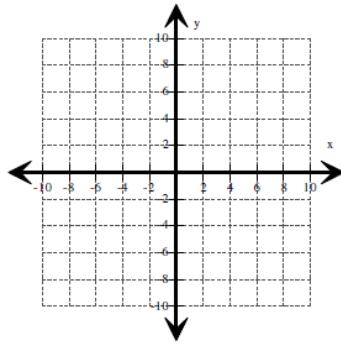
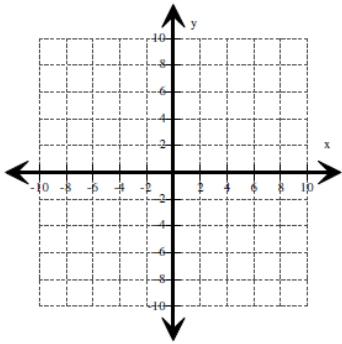


Graph each function below. Describe the transformation of the parent function $f(x) = x^2$. Then give the functions Domain and Range

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

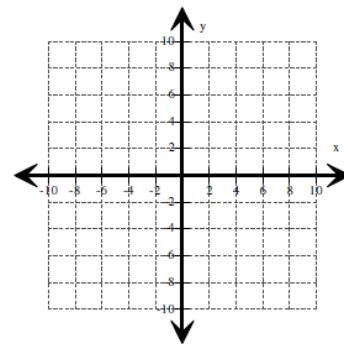
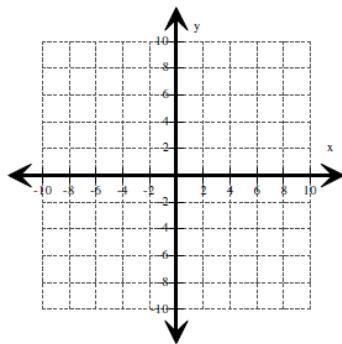
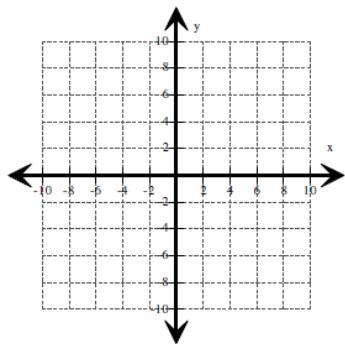


4. $f(x) = -(x + 3)^2 + 3$ 5. $f(x) = (x + 2)^2 - 4$ 6. $f(x) = -(x + 4)^2 - 4$

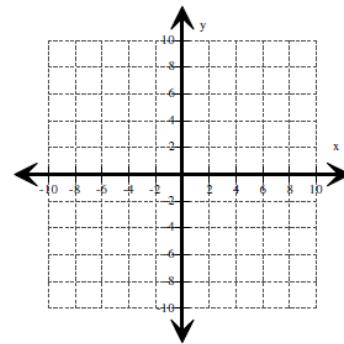
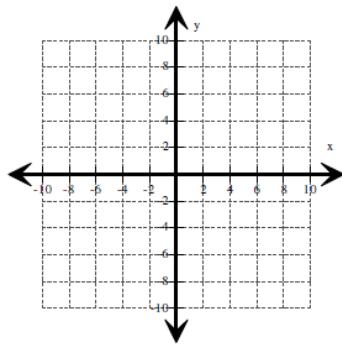
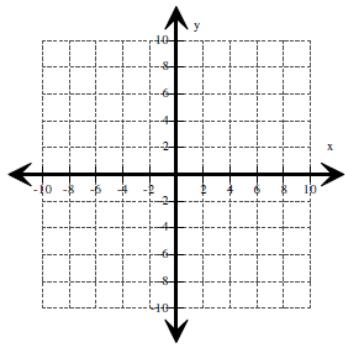


Graph each function below. Describe the transformation of the parent function $f(x) = x^2$. Then give the functions Domain and Range

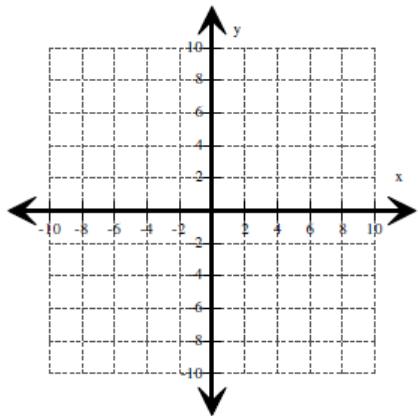
1. $f(x) = -2(x-6)^2 + 5$ 2. $f(x) = .5(x+1)^2 + 3$ 3. $f(x) = 3(x-4)^2 + 1$



4. $f(x) = -3(x+3)^2 + 3$ 5. $f(x) = .25(x+2)^2 - 4.6$ $f(x) = -1.5(x+4)^2 - 4$

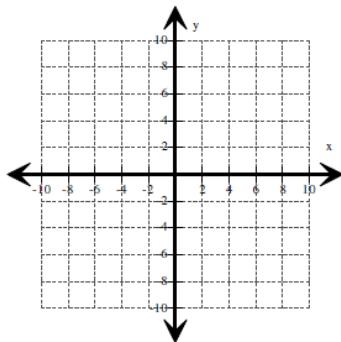


1. Draw the graph $f(x) = |x|$ 2. Give the functions Domain and Range

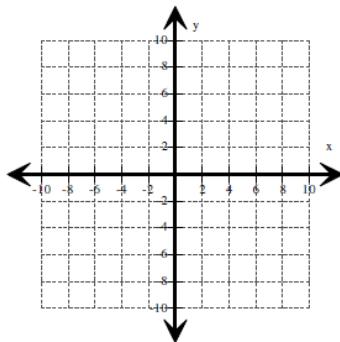


Graph each function below. Describe the translation of the parent function $f(x) = |x|$. Then give the functions Domain and Range

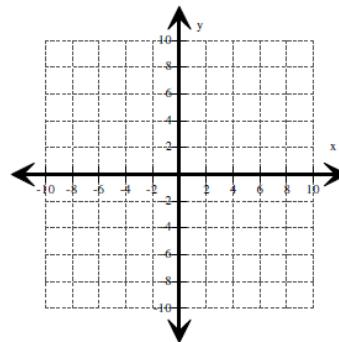
1. $f(x) = |x| + 1$



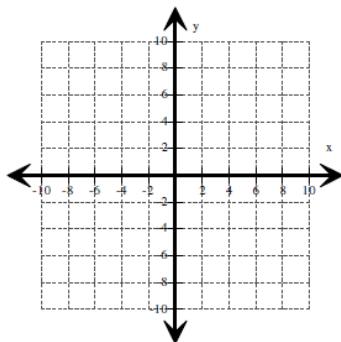
2. $f(x) = |x| - 6$



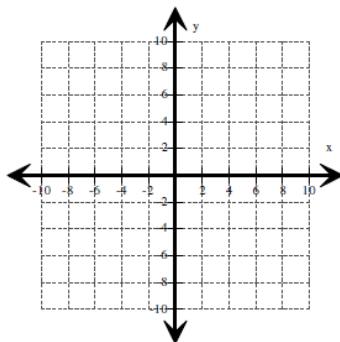
3. $f(x) = |x + 2|$



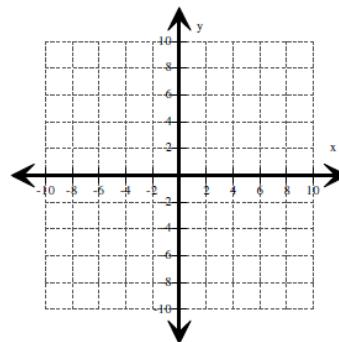
4. $f(x) = |x - 2|$



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

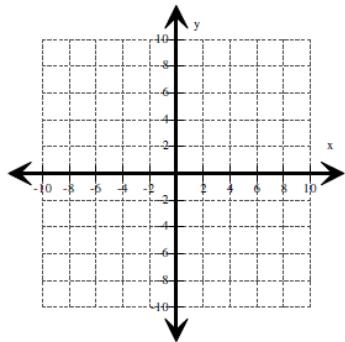


6. $f(x) = |x| - 3$

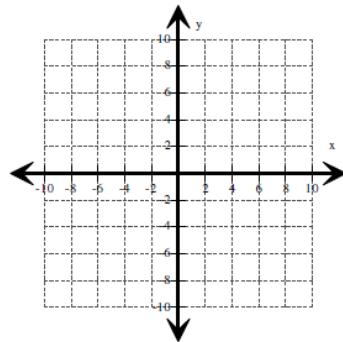


Graph each function below. Describe the translation of the parent function $f(x) = |x|$. Then give the functions Domain and Range

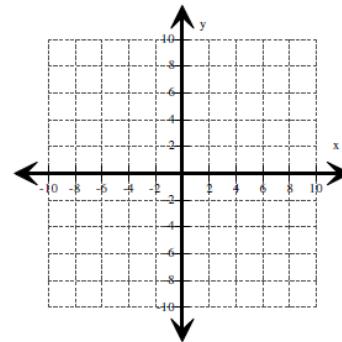
1. $f(x) = |x + 2| - 4$



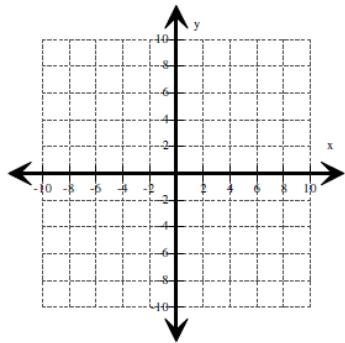
2. $f(x) = |x - 3| - 6$



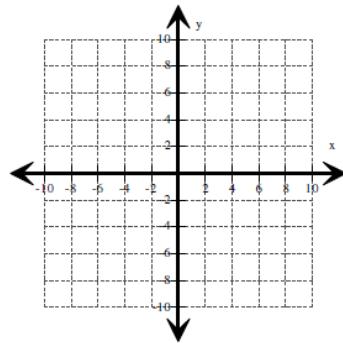
3. $f(x) = |x - 1| + 3$



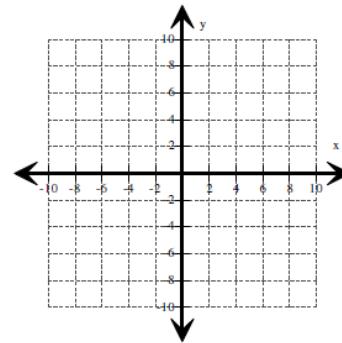
4. $f(x) = |x + 3| - 1$



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

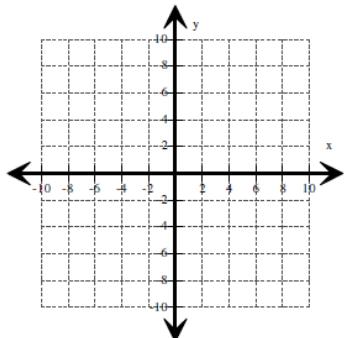


6. $f(x) = |x - 4| + 1$

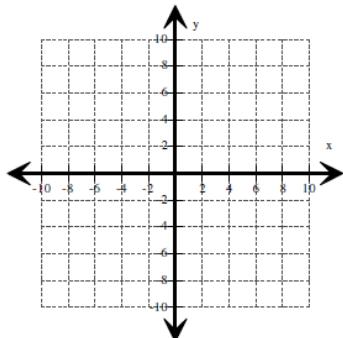


Graph each function below. Describe the transformation of the parent function $f(x) = |x|$. Then give the functions Domain and Range

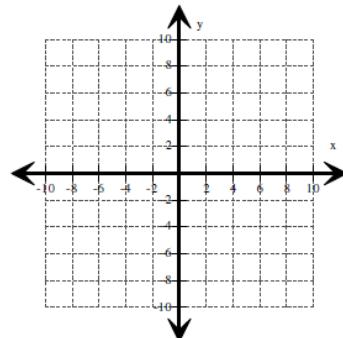
1. $f(x) = |x + 3| + 2$



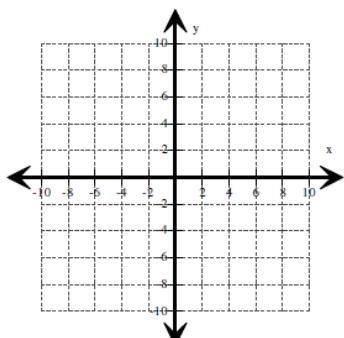
2. $f(x) = -|x + 3| + 5$



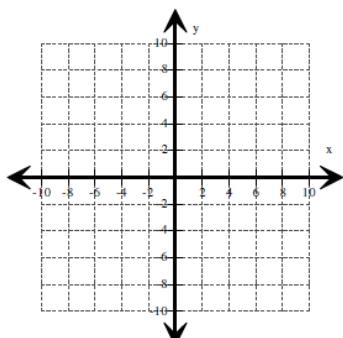
3. $f(x) = -|x - 5| - 2$



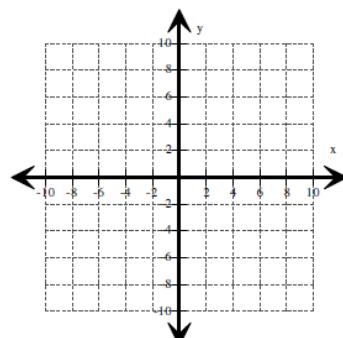
4. $f(x) = -|x - 2| - 3$



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

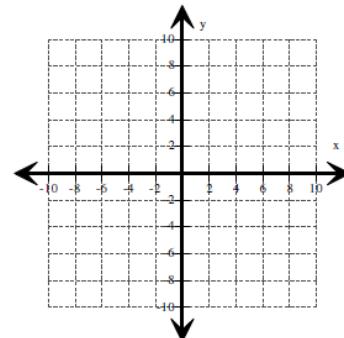
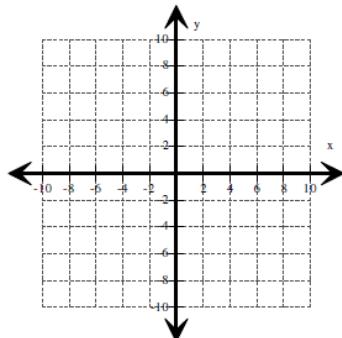
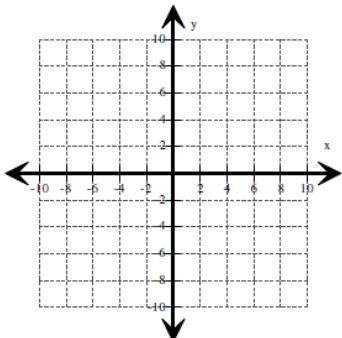


6. $f(x) = -|x + 3| - 4$



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

