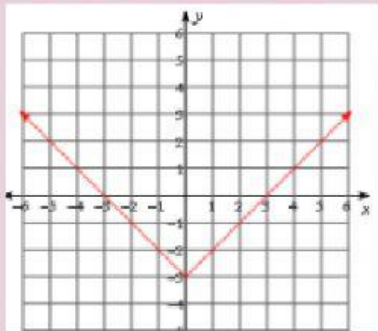
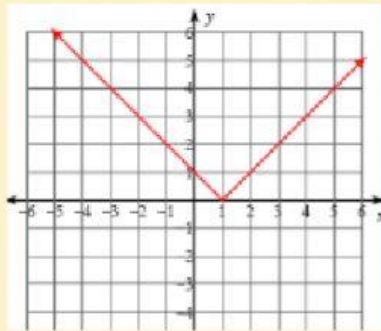


Transformations of Functions Interactive Worksheet

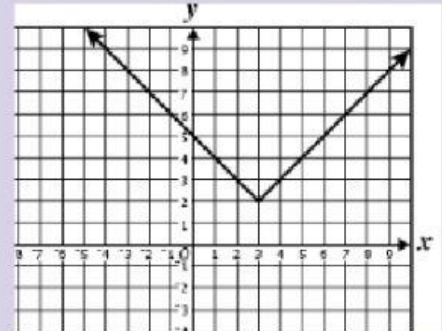
If $y = x + 2 $, the graph translates	units
If $y = x + 3$, the graph translates	units
If $y = x - 4 $, the graph translates	units
If $y = x - 5$, the graph translates	units
If $y = 3 x $, the graph	by a factor of
If $y = 2(x) $, the graph	by a factor of
If $y = \frac{1}{2} x $, the graph	by a factor of
If $y = \left \frac{1}{3}(x) \right $, the graph	by a factor of
If $y = - x $, the graph	
If $y = -x $, the graph	



Write an equation for the translation of $y = |x|$ for the graph above:



Write an equation for the translation of $y = |x|$ for the graph above:



The graph most accurately represents which of the following functions?

- A. $y = |x + 3| + 2$
- B. $y = |x - 3| + 2$
- C. $y = |x - 2| + 3$
- D. $y = |x + 2| + 3$