Transformations of Functions Interactive Worksheet

If $y = \lvert x + 2 \rvert$, the graph translates	units	
If $y = \lvert x \rvert + 3$, the graph translates	units	
If $y = \lvert x - 4 \rvert$, the graph translates	units	
If $y = \lvert x \rvert - 5$, the graph translates	units	
If $y = 3\lvert x \rvert$, the graph		by a factor of
If $y = \lvert 2(x) \rvert$, the graph		by a factor of
If $y = \frac{1}{2}\lvert x \rvert$, the graph		by a factor of
If $y = \left\lvert \frac{1}{3}(x) \right\rvert$, the graph		by a factor of
If $y = -\lvert x \rvert$, the graph		
If $y = \lvert -(x) \rvert$, the graph		
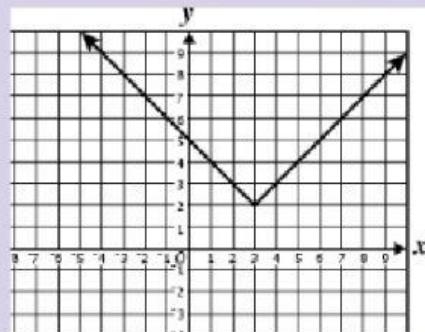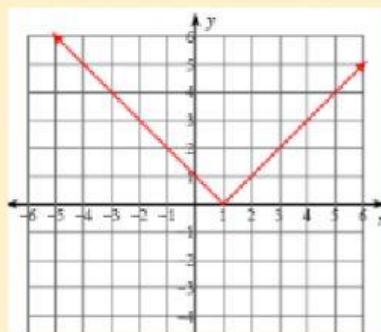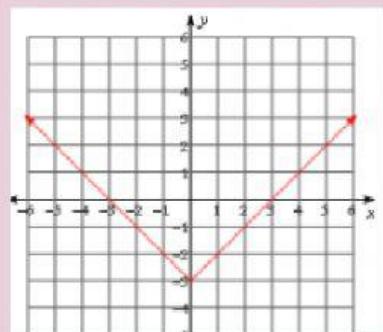
Write an equation for the translation of $y = \lvert x \rvert$ for the graph above:	Write an equation for the translation of $y = \lvert x \rvert$ for the graph above:	The graph most accurately represents which of the following functions?
		A. $y = \lvert x + 3 \rvert + 2$
		B. $y = \lvert x - 3 \rvert + 2$
		C. $y = \lvert x - 2 \rvert + 3$
		D. $y = \lvert x + 2 \rvert + 3$

LIVEWORKSHEETS