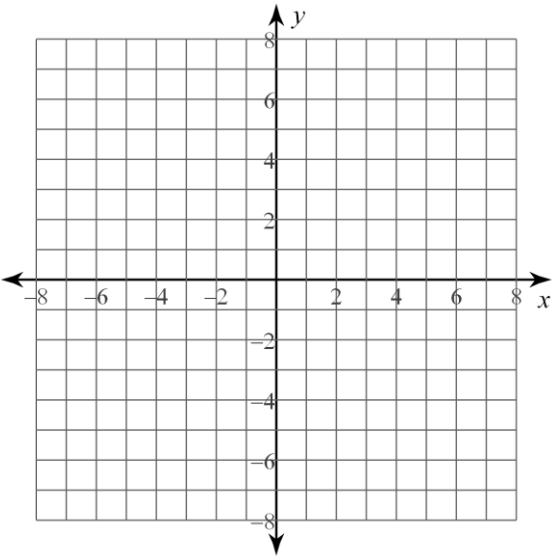
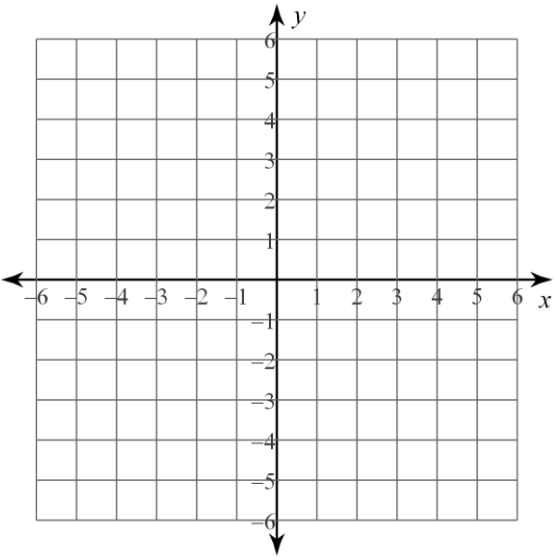
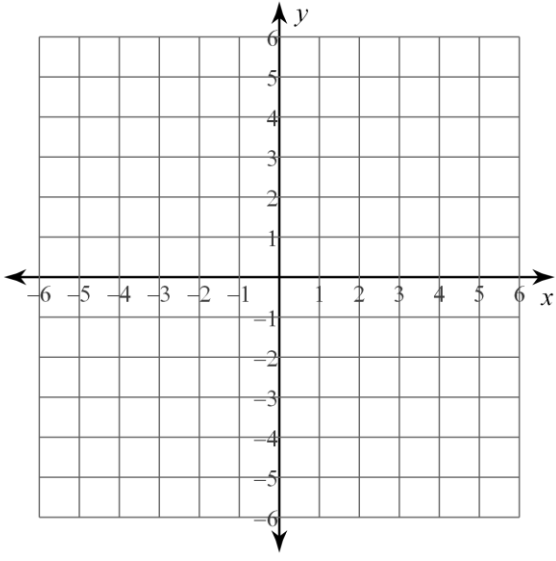
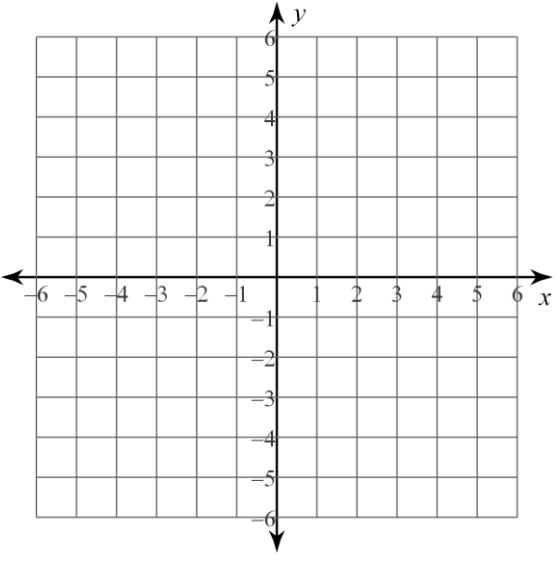


Learning Target: I can sketch a graph for an absolute value function in vertex form using the rules of function transformation.

Directions: Follow along with the video to graph the parent function and transformations in these examples.

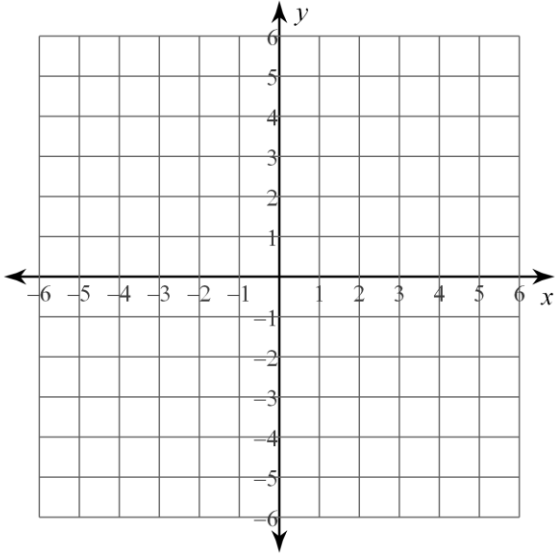
<p>1. Parent Function</p> $y = x $ 	<p>2.</p> $y = x + 1 - 2$ 
<p>3.</p> $y = 2 x - 2 - 3$ 	<p>4.</p> $y = -2 x + 4 + 4$ 

Graphing Absolute Value Functions: Your Turn

Graph the absolute value functions using function transformation rules.

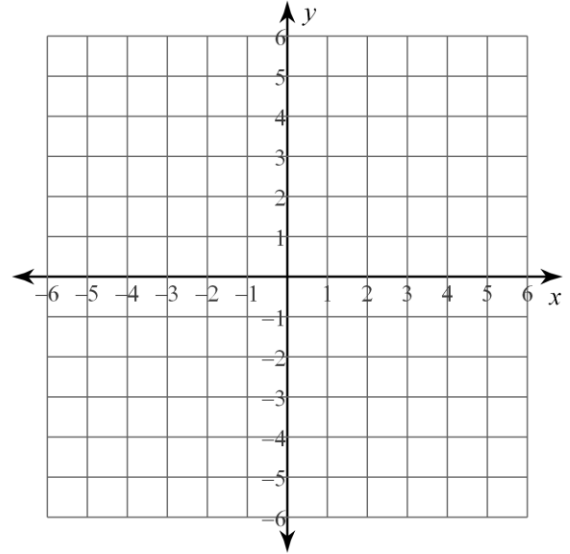
1.

$$y = |x| + 2$$



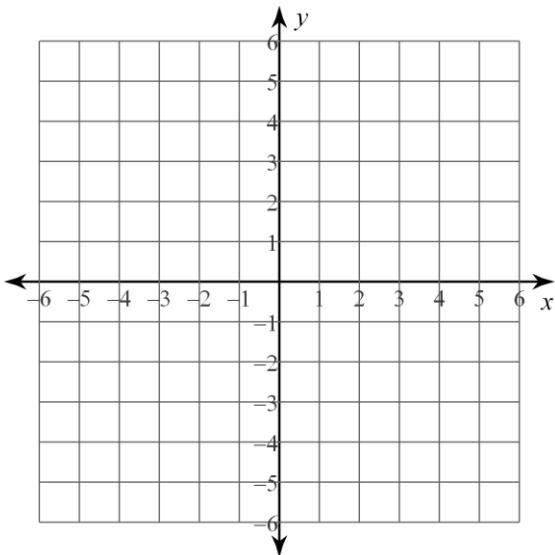
2.

$$y = 2|x - 2| - 4$$



3.

$$y = -2|x| - 3$$



4.

$$y = -2|x| + 2$$

