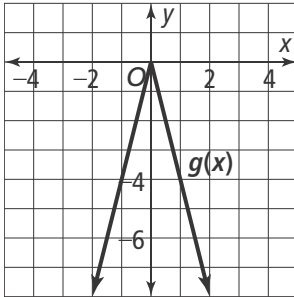




# 5-1 Reteach to Build Understanding

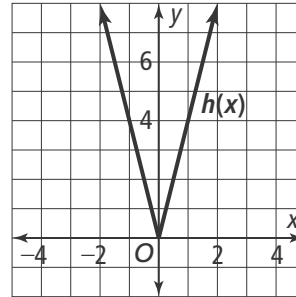
## The Absolute Value Function

1. In the graphs of absolute value functions, circle the vertex of each graph. Write *domain* or *range* in the blanks to complete each statement about the graphs.



The \_\_\_\_\_ of  $g(x)$  is all real numbers.

The \_\_\_\_\_ of  $g(x)$  is  $y \leq 0$ .



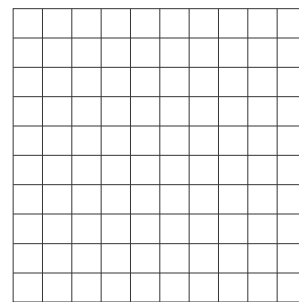
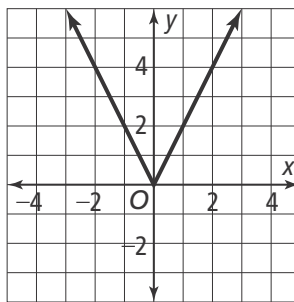
The \_\_\_\_\_ of  $h(x)$  is all real numbers.

The \_\_\_\_\_ of  $h(x)$  is  $y \geq 0$ .

2. Tina incorrectly graphed the function  $f(x) = -2|x|$ . Describe her error and correctly graph the function.

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

$x$	$f(x)$
-2	4
-1	2
0	0
1	2
2	4



3. If an absolute value function has a \_\_\_\_\_, the graph of the function will have a maximum value.