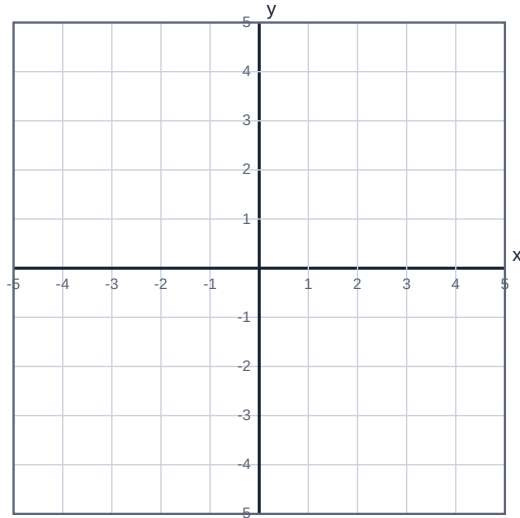


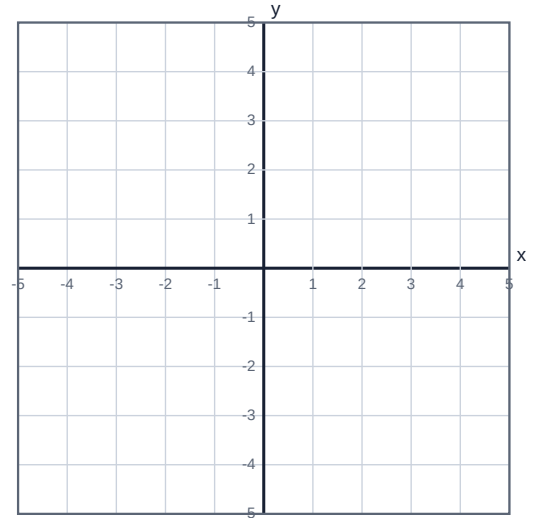
## Graphing Absolute Value Functions

Graph each absolute value function on the coordinate grid.

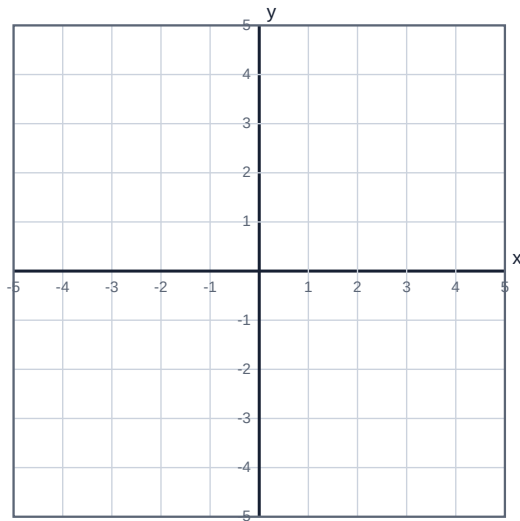
1.  $y = |x + 4| + 4$



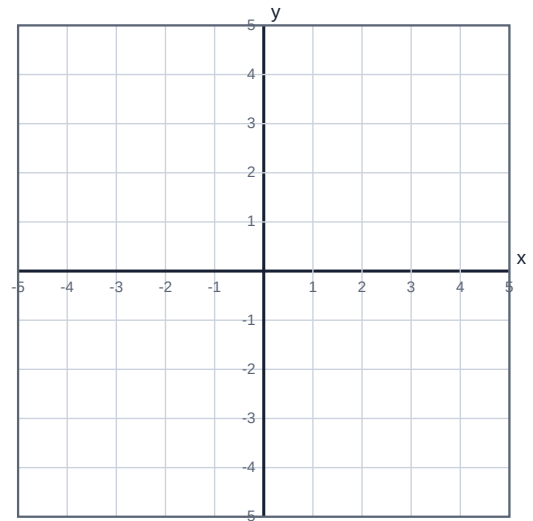
2.  $y = -|x - 2| - 1$



3.  $y = |x + 2|$



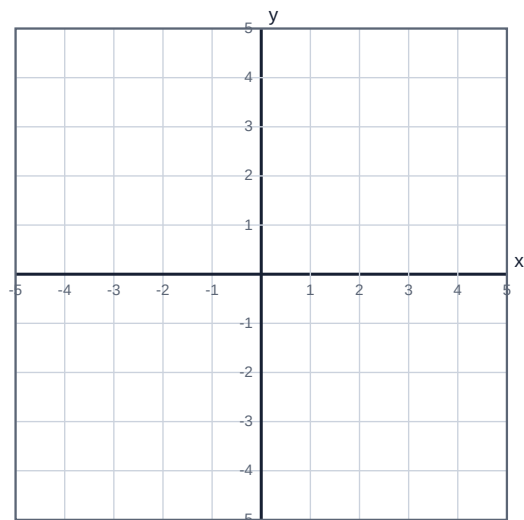
4.  $y = -|x - 1| - 1$



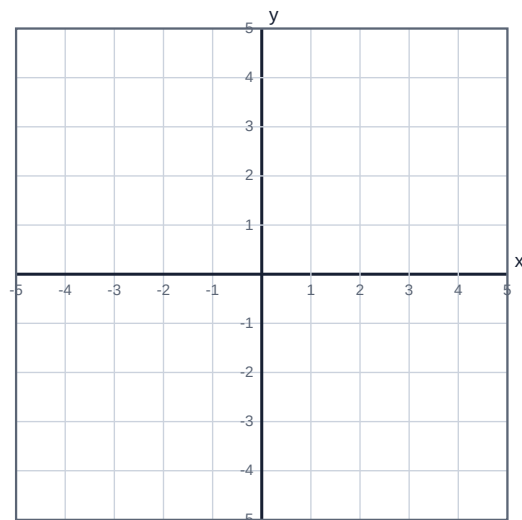
## Graphing Absolute Value Functions

Graph each absolute value function on the coordinate grid.

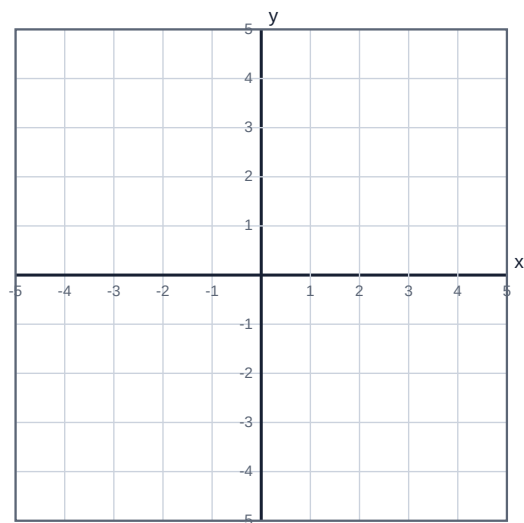
5.  $y = -|x| - 1$



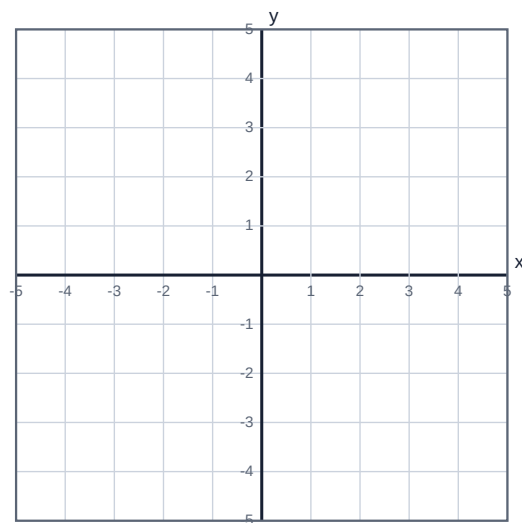
6.  $y = |x + 2| + 1$



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



8.  $y = -|x - 3| - 4$

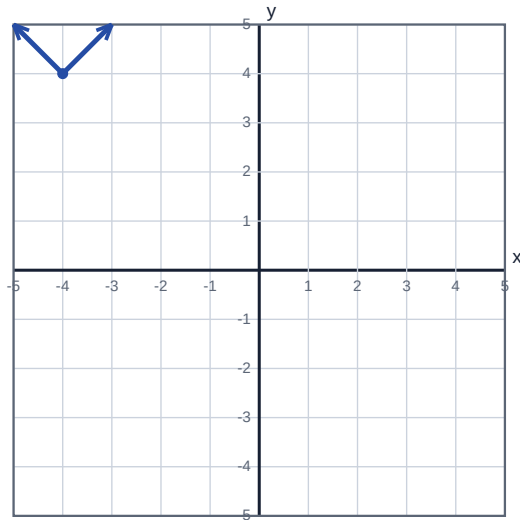


## Graphing Absolute Value Functions

### Answer key

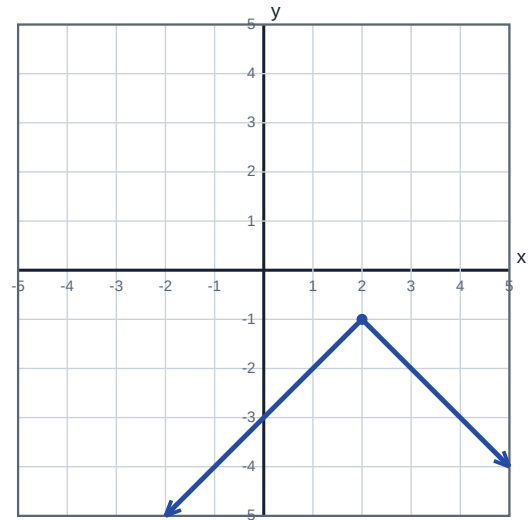
Graph each absolute value function on the coordinate grid.

1.  $y = |x + 4| + 4$



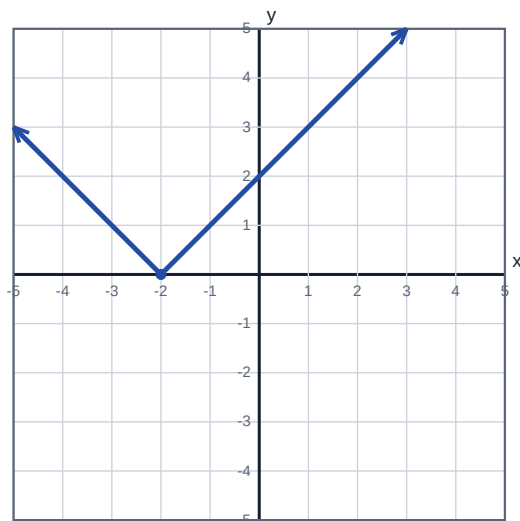
Vertex: (-4, 4)  
Opens upward

2.  $y = -|x - 2| - 1$



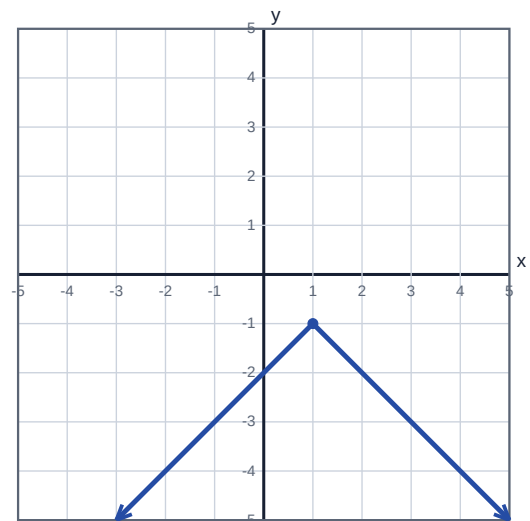
Vertex: (2, -1)  
Opens downward

3.  $y = |x + 2|$



Vertex: (-2, 0)  
Opens upward

4.  $y = -|x - 1| - 1$



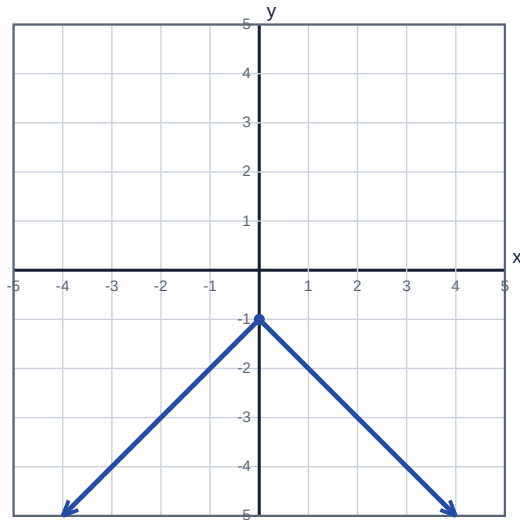
Vertex: (1, -1)  
Opens downward

## Graphing Absolute Value Functions

### Answer key

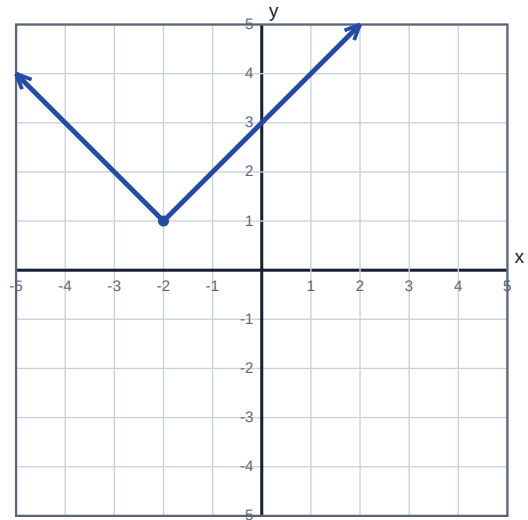
Graph each absolute value function on the coordinate grid.

5.  $y = -|x| - 1$



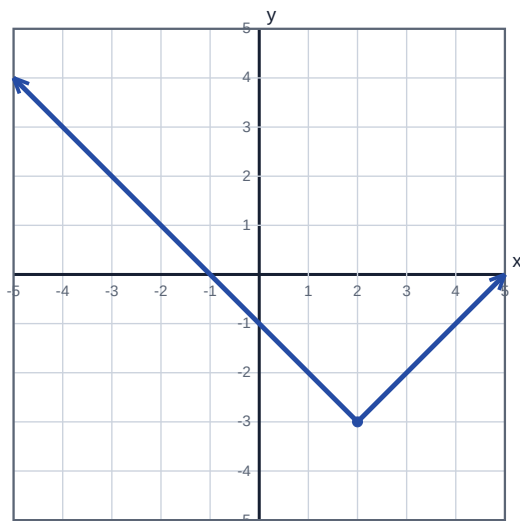
Vertex: (0, -1)  
Opens downward

6.  $y = |x + 2| + 1$



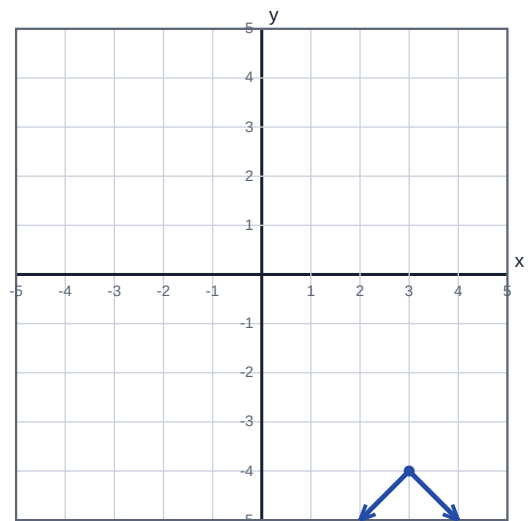
Vertex: (-2, 1)  
Opens upward

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



Vertex: (2, -3)  
Opens upward

8.  $y = -|x - 3| - 4$



Vertex: (3, -4)  
Opens downward