## **Transformations**

For the parent function f(x):

f(x) + c moves the graph up c units

f(x) - c moves the graph **down** c units

f(x + c) moves the graph left c units

f(x - c) moves the graph **right** c units

-f(x) reflects the graph over the x-axis

Draw the graphs on the grid below.

1. 
$$y = |x|$$

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

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

4. 
$$y = |x + 4| + 5$$

5. 
$$y = -|x-2|-3$$

