Name:

Describe all the transformation of y = |x| each equation represents.

1. 
$$y = 5|x - 8| + 3$$

2. 
$$y = -4|x+2|-3$$

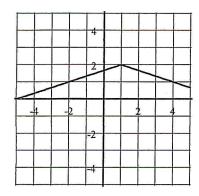
Write the equation of each transformation of y = |x|

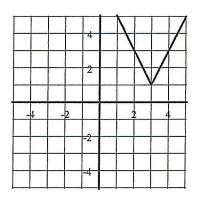
3. Translated 10 units left, 6 units down, twice as tall, opens down.

EQ:

4. Translated 1 unit up, half as tall, and opens up.

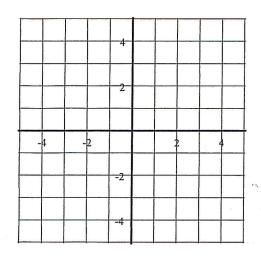
Write the equation of each absolute value function.





Graph each absolute value function.

7. 
$$y = -3|x-2|+5$$



8. 
$$y = \frac{1}{2}|x+1| - 3$$

