

**Absolute Value Assignment Worksheet**

Describe the transformation of each absolute value function and name its vertex.

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

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

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

Solve the following absolute value equations.

4.  $1 + |-3x - 7| = 3$

5.  $-8|2 - 6m| = -80$

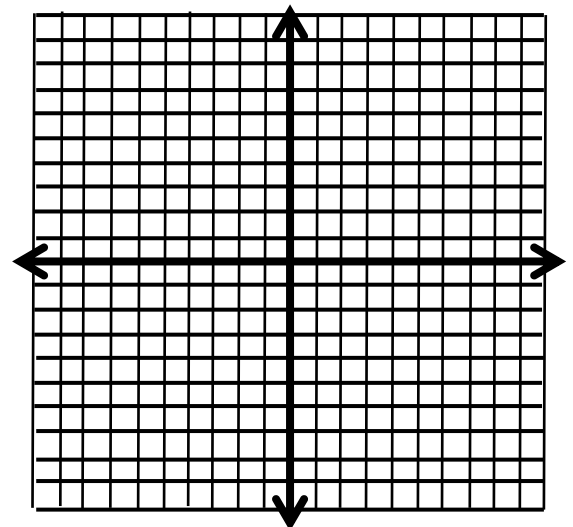
Solve the following absolute value inequalities.

6.  $|x - 2| - 5 < -2$

7.  $2|10y + 7| - 1 > 73$

Graph the following absolute value function.

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



9.  $y = -2|x + 1| + 5$

