

Name: \_\_\_\_\_ Period: \_\_\_\_\_ Date: \_\_\_\_\_

## **Absolute Value Equations and Inequalities** Bell Work

**Solve each equation.**

1.  $|x + 2| = 8$

2.  $|4x + 3| = 33$

3.  $|x - 3| + 12 = 50$

4.  $|4x - 7| + 2 = 15$

**Solve each inequality.**

5.  $|x + 6| \geq 2$

6.  $|3x - 7| < 14$

7.  $|3x - 6| + 11 > 17$

# Absolute Value Equations and Inequalities Bell Work

Solve each inequality then graph its solution.

8.  $|5 - x| > 6$



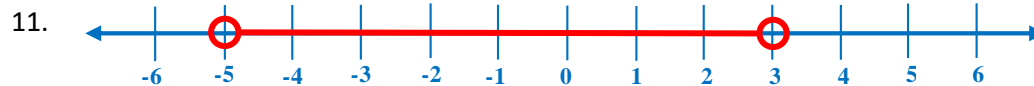
9.  $|4 - 5x| \leq 19$



10.  $|4x + 2| - 3 \geq 11$



For each graph, write an open sentence involving absolute value.



Midpoint:

Distance from midpoint:



Midpoint:

Distance from midpoint: