

Name: \_\_\_\_\_

## Absolute Value Inequalities

A) Solve each inequality and represent the solution set on a number line

1)  $|2x + 3| > 5$

2)  $|4 - 3x| \leq 4$

3)  $|x + 1| \leq 5$

4)  $|2x - 1| > 3$

5)  $|7 - 5x| < 3$

6)  $|4 - 3x| \leq 4$

7)  $|2x + 3| > 5$

8)  $|5x - 4| \leq 2$

9)  $|6x + 2| > 4$

10)  $|x + 4| > 2$

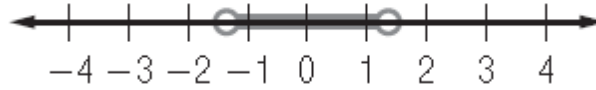
B) Write an absolute value inequality for the following. Then graph the solution set on a number line.

11) all numbers between -1.5 and 1.5, including -1.5 and 1.5



C) Write an absolute value inequality for each graph.

12)



13)

