

Name _____ Block _____

Solve the absolute value equation.

1) $|2x - 7| - 5 = 4$

2) $|5x + 1| + 3 = 14$

3) $|2x - 4| - 8 = 10$

4) $|7x + 3| + 2 = 33$

5) $|5 - 4x| - 3 = 4$

6) $|3x - 2| - 2 = 5$

Solve the absolute value inequality.

Graph the solution to determine the type of compound inequality.

7) $|2x+1|-3 \geq 6$

8) $|2x+5|-2 \geq 7$

9) $|3x-9|+2 > 7$

10) $|2x+5|-1 < 6$

11) $|5x+3|-4 \geq 9$

12) $|4x+2|-5 > 17$