NAME _____ CLASS _____ DATE _____

Practice

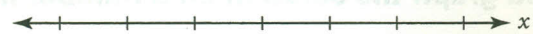
1.8 Solving Absolute-Value Equations and Inequalities

Solve each equation. Graph the solution on a number line.

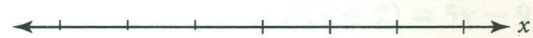
1. $|x + 3| = 5$

2. $|x - 4| = 6$

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



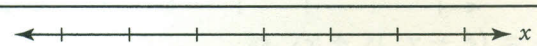
4. $|5x + 3| = 12$



5. $|3x + 12| = 18$

Solve each inequality. Graph the solution on a number line.

6. $|5x + 2| < 7$



7. $|6x - 4| < 3$

8. $|5x - 6| < 5$

9. $|3x + 6| > 15$

10. $|4x - 5| \geq 15$