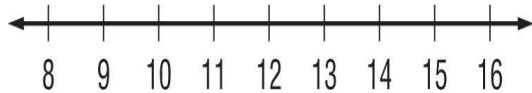# Algebraic Inequalities Review
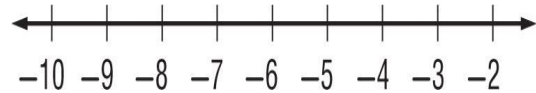
Solving and Graphing Two-Step Inequalities

Solve each inequality. Graph the solution set on a number line, then write a solution set of 3 numbers next to your solution. (Example: x > -5 = { -4, 0, 22})
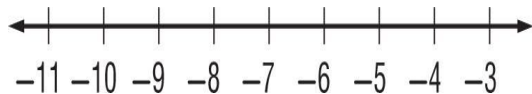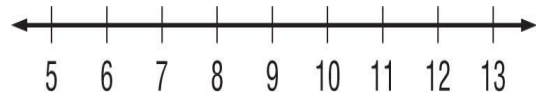
1. $\frac{x}{2} - 1 < 5$
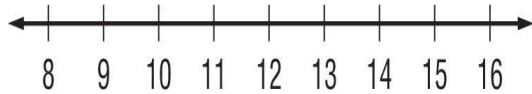

2. $13 \geq -x + 7$
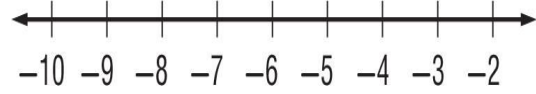

3. $-2 + 3x > -23$
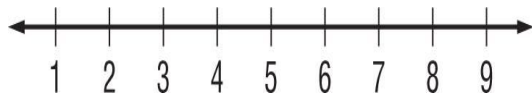

4. $3x - 4 \leq 23$

5. $10 \geq \frac{x}{3} + 6$

6. $-2x + 4 < 16$

7. $13 > 3 + 2x$

8. $11x - 1 \leq 120$

9. $-4 + \frac{x}{5} < -4$
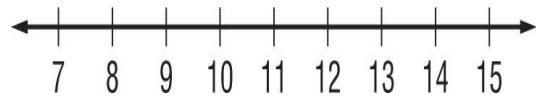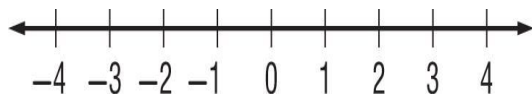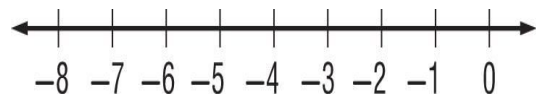

10. $6x - 4 \geq -28$

11. $-6 \leq -4 - 2x$

12. $5 > 2 + \frac{x}{3}$