

Name : _____

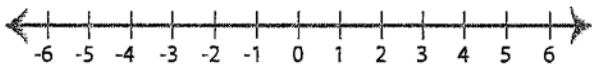
Score : _____

Solving & Graphing Inequalities

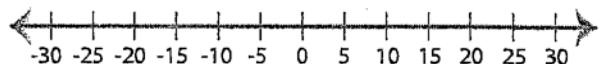
ES1

Solve each inequality and graph the solution.

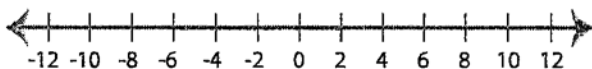
1) $2(6x - 5) < 14$



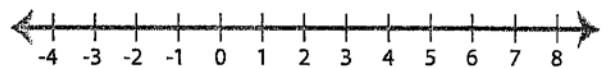
2) $\frac{3x - 8}{7} > 1$



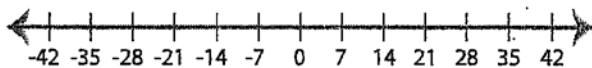
3) $\frac{7x + 1}{3} \geq 5$



4) $4(5x + 2) \leq 28$



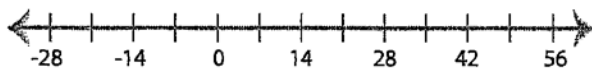
5) $\frac{9x}{7} - x < 2$



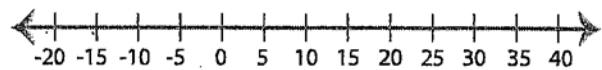
6) $\frac{4x + 8}{2} \leq 12$



7) $\frac{5(x - 2)}{10} > 6$



8) $3 + \frac{2x}{5} \geq 17 - x$

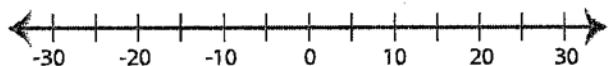


Solving & Graphing Inequalities

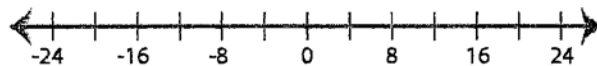
MS1

Solve each inequality and graph the solution.

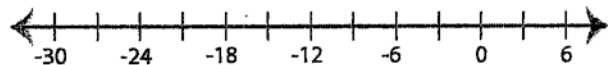
1) $9 + x \leq \frac{3x}{5} + 11$



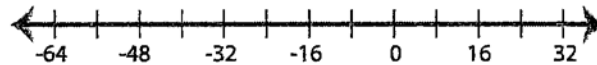
2) $8x + 16 > 5x + 4$



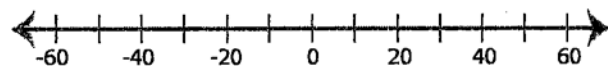
3) $15x + 19 \geq 10x - 11$



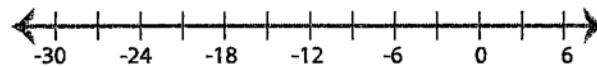
4) $x + 6 < \frac{x}{4}$



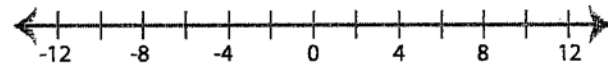
5) $7 \leq \frac{4x + 2}{6}$



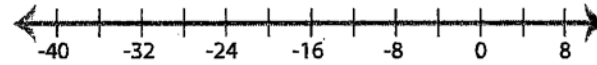
6) $9(2x + 8) > 14x$



7) $15 \geq 3(7x - 9)$



8) $x + 14 < \frac{x}{2}$



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Solving Quadratic Inequalities

L3S1

Solve each quadratic inequality.

1) $2x^2 + 2x - 8 > x^2$

2) $5x^2 + 11x + 3 < 2x^2 + x - 4$

3) $3x^2 - 5x \geq 4x^2 + 6$

4) $6x^2 \leq x^2 + 3x + 2$

5) $-x^2 - 10x + 11 < -2x^2 - 2x - 1$

6) $4x^2 - 12 > 3x^2 + x$

7) $3x^2 + 7x \leq 5x^2 + 3x - 6$

8) $x^2 > 5x + 6$

Solving Quadratic Inequalities

L3S2

Solve each quadratic inequality.

1) $x^2 + 6x - 6 < 1$

2) $-4x^2 - 3 > -7x^2 + 5x - 5$

3) $2x^2 \leq 7x^2 + x - 4$

4) $3x^2 - 4x + 6 \geq 2x^2 + 3$

5) $-x^2 - 2x - 5 \geq -3x^2 + x + 4$

6) $-9x^2 + 3x + 1 \leq -8x^2 + 3x$

7) $4x^2 > x^2 + 3x + 6$

8) $7x^2 + 8x < 4x^2 + 3$