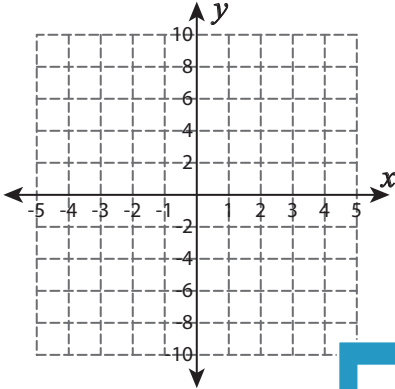


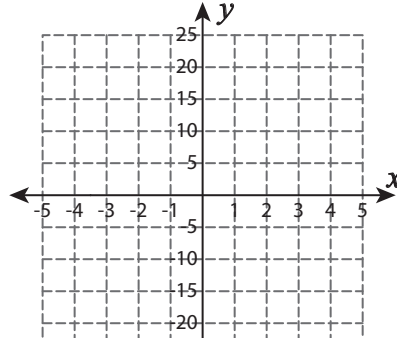
# Solving Quadratic Inequalities

Solve each inequality using the graph.

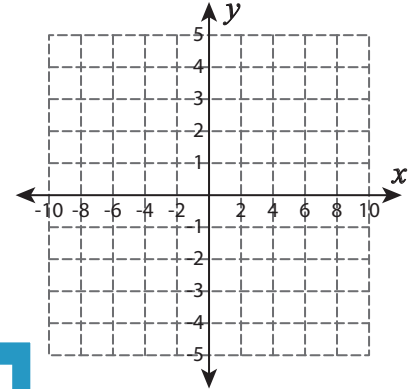
1)  $x^2 + 3x - 4 \leq 0$



2)  $-2x^2 - x + 21 > 0$



3)  $-x^2 + 14x - 48 < 0$



# PREVIEW

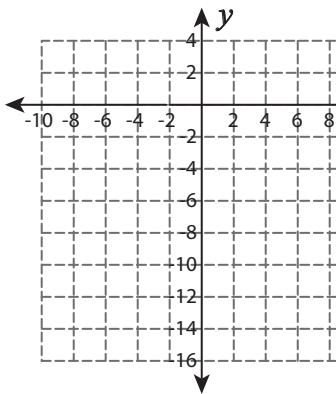
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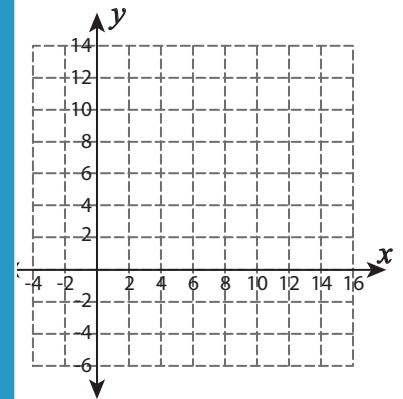
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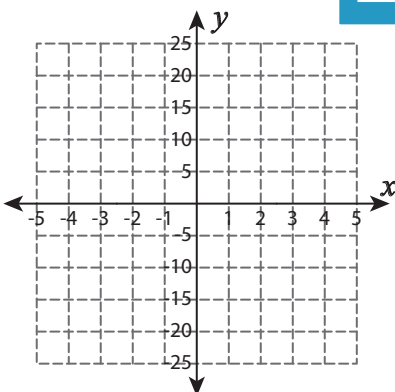
4)  $x^2 - 4x - 12 < 0$



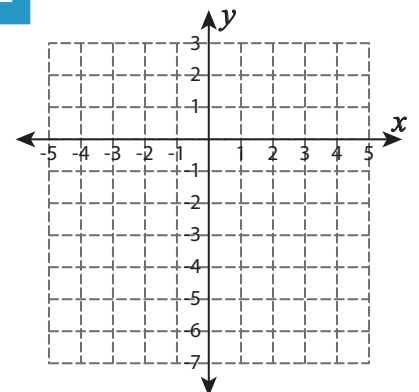
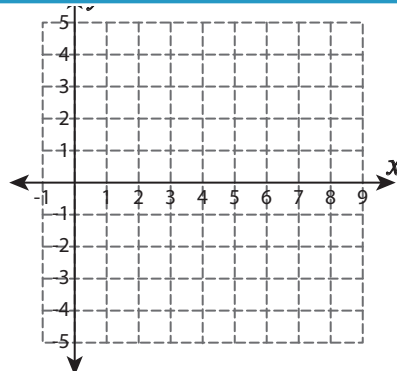
5)  $-x^2 + 11x - 18 \leq 0$



7)  $-4x^2 + 25 \geq 0$



8)  $2x^2 + 5x - 3 > 0$

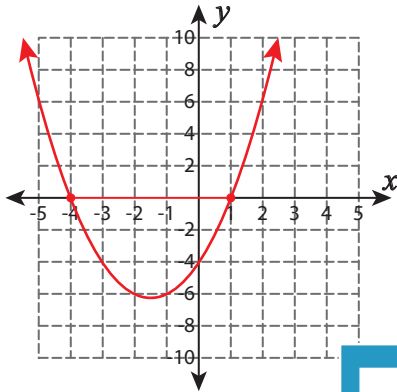


# Solving Quadratic Inequalities

Sheet 3

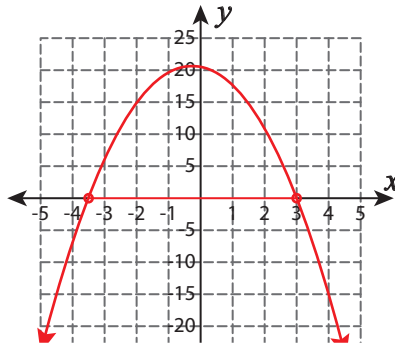
Solve each inequality using the graph.

1)  $x^2 + 3x - 4 \leq 0$



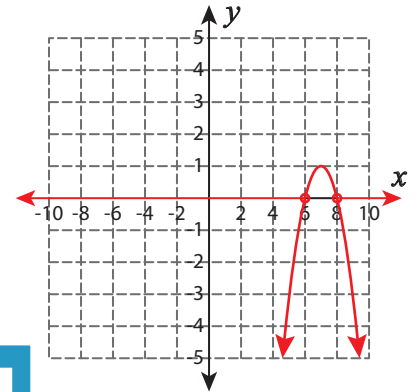
$$-4 \leq x \leq 1$$

2)  $-2x^2 - x + 21 > 0$



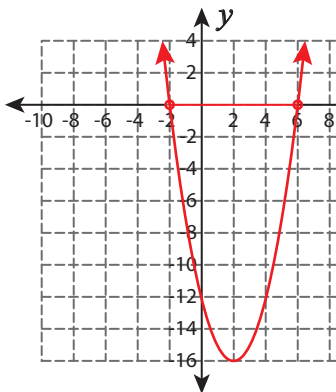
$$x < 6 \text{ or } x > 8$$

3)  $-x^2 + 14x - 48 < 0$



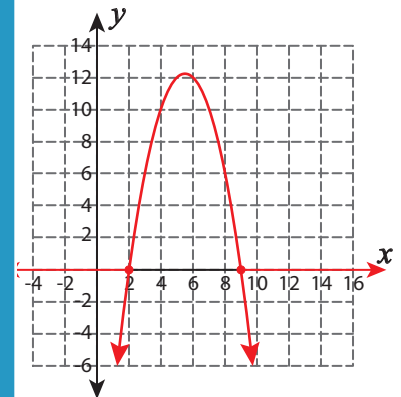
$$x < 6 \text{ or } x > 8$$

4)  $x^2 - 4x - 12 < 0$



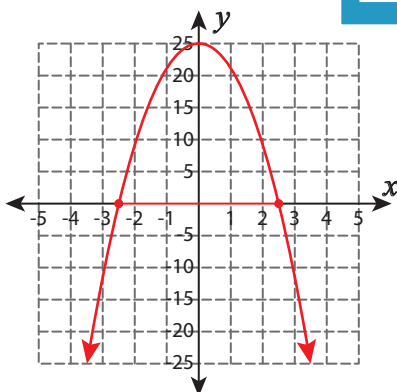
$$-2 < x < 6$$

$-x^2 + 11x - 18 \leq 0$



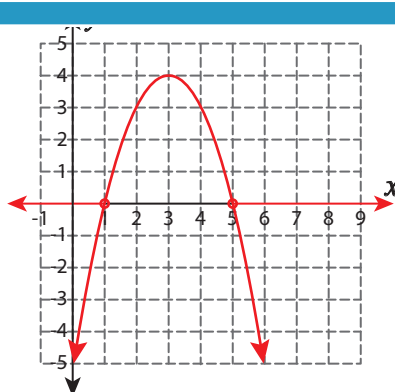
$$x \leq 2 \text{ or } x \geq 9$$

7)  $-4x^2 + 25 \geq 0$

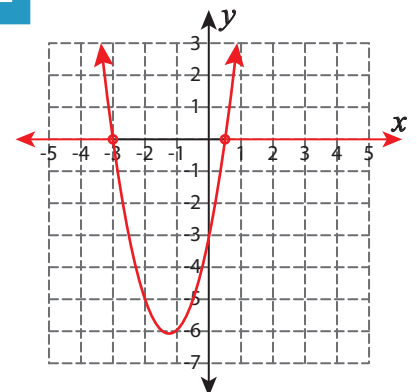


$$-\frac{5}{2} \leq x \leq \frac{5}{2}$$

$2x^2 + 5x - 3 > 0$



$$x < -1 \text{ or } x > 5$$



$$x < -3 \text{ or } x > \frac{1}{2}$$

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