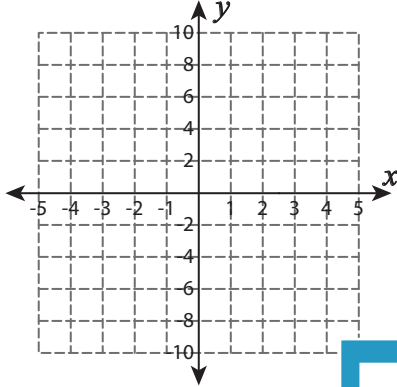


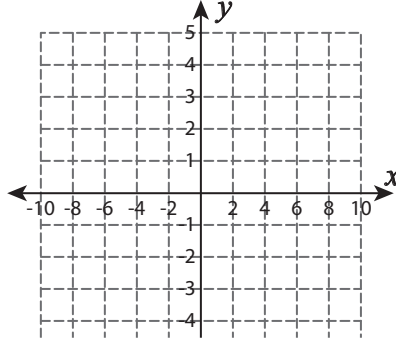
# Solving Quadratic Inequalities

Solve each inequality using the graph.

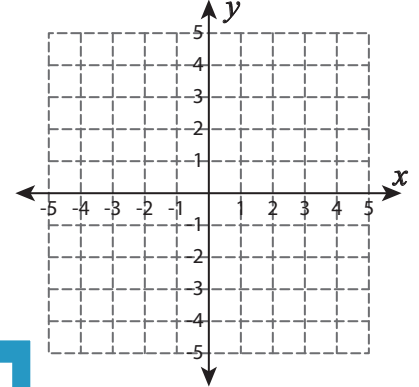
1)  $-2x^2 + 3x + 5 > 0$



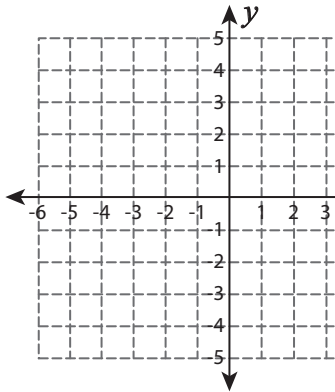
2)  $x^2 - 12x + 32 \leq 0$



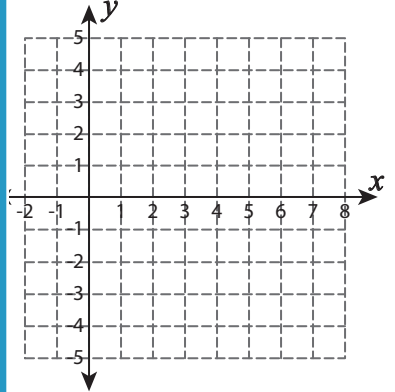
3)  $-x^2 - 2x + 3 < 0$



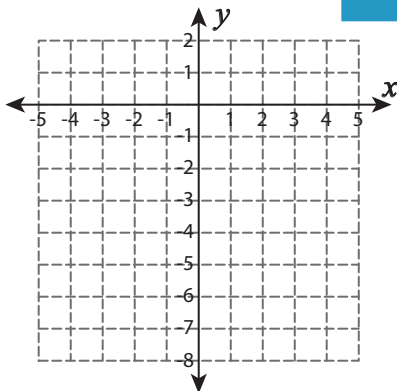
4)  $-x^2 - 7x - 10 \leq 0$



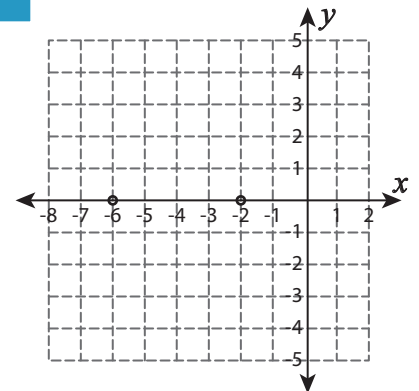
5)  $x^2 - 6x + 5 \leq 0$



7)  $5x^2 - 8x - 4 > 0$



8)  $x^2 + 8x + 12 > 0$



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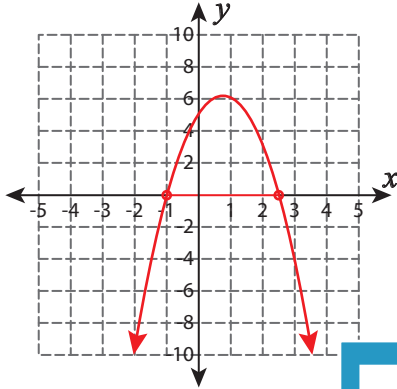
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# Solving Quadratic Inequalities

Sheet 1

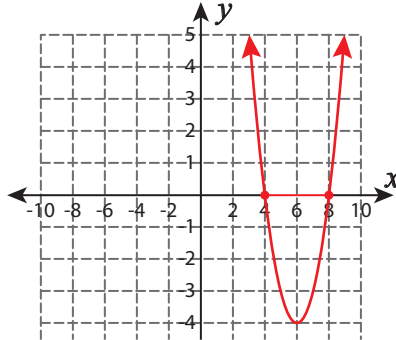
Solve each inequality using the graph.

1)  $-2x^2 + 3x + 5 > 0$

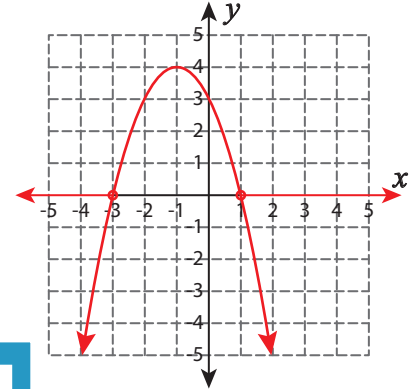


$$-1 < x < \frac{5}{2}$$

2)  $x^2 - 12x + 32 \leq 0$

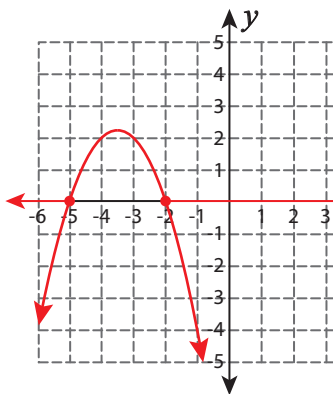


3)  $-x^2 - 2x + 3 < 0$



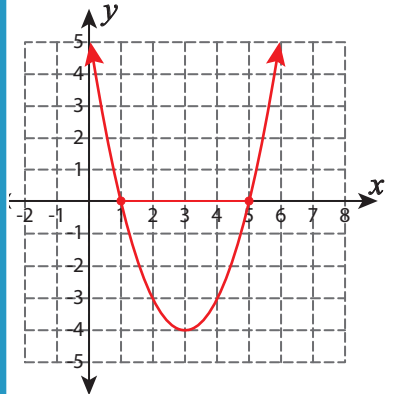
$$x < -3 \text{ or } x > 1$$

4)  $-x^2 - 7x - 10 \leq 0$



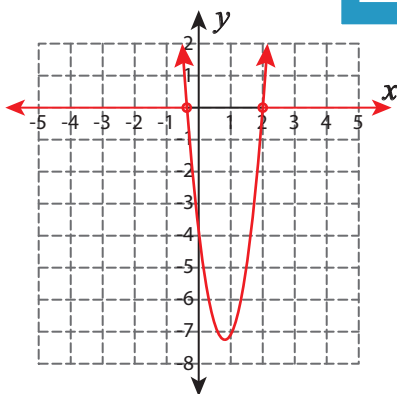
$$x \leq -5 \text{ or } x \geq -2$$

5)  $x^2 - 6x + 5 \leq 0$



$$1 \leq x \leq 5$$

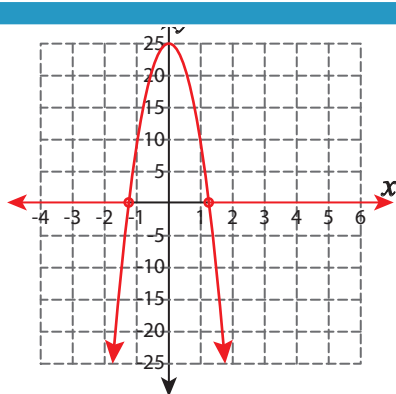
6)  $5x^2 - 8x - 4 > 0$



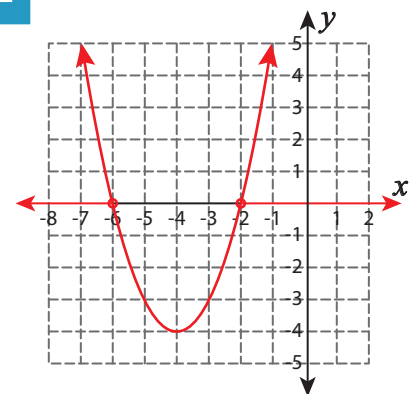
$$x < -\frac{2}{5} \text{ or } x > 2$$

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7)  $x^2 + 8x + 12 > 0$



$$x < -\frac{5}{4} \text{ or } x > \frac{5}{4}$$



$$x < -6 \text{ or } x > -2$$

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