

Solving Quadratic Inequalities

L1S2

Solve each quadratic inequality.

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

2) $x^2 + 5x + 4 \geq 0$

3) $-x^2 - 8x$

 > 0

5) $-x^2 - 10$

 $7x + 18 \leq 0$ **PREVIEW**Gain complete access to the largest
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7) $x^2 - 9x + 8 < 0$

8) $x^2 + x - 6 > 0$

Answer key**Solving Quadratic Inequalities**

L1S2

Solve each quadratic inequality.

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

2) $x^2 + 5x + 4 \geq 0$

$1 < x < 2$

$x \leq -4 \text{ or } x \geq -1$

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

$x \leq -7 \text{ or } x \geq 0$

5) $-x^2 - 10x - 16 \leq 0$

$-11 \leq x \leq -16$

7) $x^2 - 9x + 8 < 0$

$1 < x < 8$

8) $x^2 + x - 6 > 0$

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

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