

Solving Quadratic Inequalities

L2S3

Solve each quadratic inequality.

1) $10x^2 - x - 3 > 0$

2) $-2x^2 + 5x + 12 < 0$

3) $11x^2 + 2$

PREVIEW

$4x - 4 \leq 0$

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5) $3x^2 + 1$

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$0x + 4 > 0$

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7) $6x^2 - 9x - 6 \leq 0$

8) $-19x^2 + 12x + 7 \geq 0$

Solving Quadratic Inequalities

L2S3

Solve each quadratic inequality.

1) $10x^2 - x - 3 > 0$

2) $-2x^2 + 5x + 12 < 0$

$x < -\frac{1}{2} \text{ or } x > \frac{3}{5}$

$x < -\frac{3}{2} \text{ or } x > 4$

3) $11x^2 + 2x - 1 > 0$

$4x - 4 \leq 0$

PREVIEW

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$x \leq -1$

$x \leq \frac{2}{3}$

5) $3x^2 + 12x + 12 > 0$

$10x + 4 > 0$

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$-5 < x < 2$

$\text{or } x > 2$

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7) $6x^2 - 9x - 6 \leq 0$

8) $-19x^2 + 12x + 7 \geq 0$

$-\frac{1}{2} \leq x \leq 2$

$-\frac{7}{19} \leq x \leq 1$