

Solving Quadratic Inequalities

L2S2

Solve each quadratic inequality.

1) $-13x^2 + 18x - 5 \geq 0$

2) $14x^2 + 17x - 6 \leq 0$

3) $2x^2 - 2x$

PREVIEW

$9x + 12 > 0$

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5) $-16x^2 -$

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$4x - 3 < 0$

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

8) $7x^2 + 12x + 5 \geq 0$

Solving Quadratic Inequalities

L2S2

Solve each quadratic inequality.

1) $-13x^2 + 18x - 5 \geq 0$

2) $14x^2 + 17x - 6 \leq 0$

$$\frac{5}{13} \leq x \leq 1$$

$$-\frac{3}{2} \leq x \leq \frac{2}{7}$$

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

PREVIEW

$9x + 12 > 0$

$-1 < x < 3$

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or $x > 3$

5) $-16x^2 - 4x + 3 \leq 0$

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$4x - 3 < 0$

$x \leq -2$

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$x < \frac{3}{5}$

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

8) $7x^2 + 12x + 5 \geq 0$

$-1 < x < \frac{4}{5}$

$x \leq -1$ or $x \geq -\frac{5}{7}$