Name:

Date:

Solve Quadratic Inequalities

Solve each quadratic inequality.

1) $x^2 - 4 < 0$

2) $x^2 - 16 < 0$

3) $x^2 + x - 6 < 0$

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

5) $x^2 + 2x - 48 > 0$

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

7) $x^2 + 5x + 4 < 0$

8) $x^2 + 8x + 15 > 0$

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Name:

Date:

Solve Quadratic Inequalities

Answers

Solve each quadratic inequality.

1) $x^2 - 4 < 0$
$-2 < x < +2$

2) $x^2 - 16 < 0$
$-4 < x < +4$

3) $x^2 + x - 6 < 0$
$-3 < x < +2$

4) $x^2 + 2x - 8 > 0$
$(x < -4) \cup (x > 2)$

5) $x^2 + 2x - 48 > 0$
$(x < -8) \cup (x > +6)$

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

7) $x^2 + 5x + 4 < 0$
$-4 < x < -1$

8) $x^2 + 8x + 15 > 0$
$(x < -5) \cup (x > -3)$

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