



Solve Quadratic Inequalities

Name: _____

Date: _____



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



QUIZ ?

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Answers



Solve each quadratic inequality.

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

$$-2 < x < +2$$

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

$$-4 < x < +4$$

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

$$-3 < x < +2$$

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

$$(x < -4) \cup (x > 2)$$

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

$$(x < -8) \cup (x > +6)$$

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

$$-2 < x < -1$$

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

$$-4 < x < -1$$

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

$$(x < -5) \cup (x > -3)$$



QUIZ ?

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