Quadratic Inequalities · 1

Solve: $(x + 3)(x + 2) < 0$

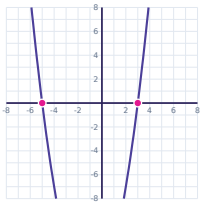
Quadratic Inequalities · 2

Solve: $x^2 + 2x < 0$

Quadratic Inequalities · 3

The graph of $y = x^2 + 2x - 15$ is shown.

Solve: $x^2 + 2x - 15 < 0$



Quadratic Inequalities · 4

Solve: $x^2 - 4x - 5 > 0$

Quadratic Inequalities · 5

Solve: $(x - 4)(x - 5) > 0$

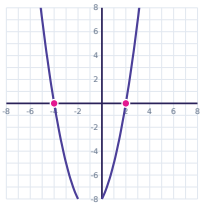
Quadratic Inequalities · 6

Solve: $x^2 - 7x + 10 < 0$

Quadratic Inequalities · 7

The graph of $y = x^2 + 2x - 8$ is shown.

Solve: $x^2 + 2x - 8 > 0$



Quadratic Inequalities · 8

Solve: $x^2 - 4x < 0$

Quadratic Inequalities · 2

ANSWER

$-2 < x < 0$

Quadratic Inequalities · 1

ANSWER

$-3 < x < -2$

Quadratic Inequalities · 4

ANSWER

$x < -1$ or $x > 5$

Quadratic Inequalities · 3

ANSWER

$-5 < x < 3$

Quadratic Inequalities · 6

ANSWER

$2 < x < 5$

Quadratic Inequalities · 5

ANSWER

$x < 4$ or $x > 5$

Quadratic Inequalities · 8

ANSWER

$0 < x < 4$

Quadratic Inequalities · 7

ANSWER

$x < -4$ or $x > 2$

Quadratic Inequalities · 9

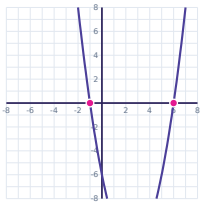
Solve: $(x + 4)(x - 3) < 0$

Quadratic Inequalities · 10

Solve: $x^2 + x - 20 < 0$

Quadratic Inequalities · 11

The graph of $y = x^2 - 5x - 6$ is shown. Solve: $x^2 - 5x - 6 \geq 0$



Quadratic Inequalities · 12

Solve: $x^2 - 11x + 30 \leq 0$

Quadratic Inequalities · 13

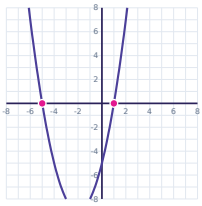
Solve: $(x - 2)(x - 5) > 0$

Quadratic Inequalities · 14

Solve: $x^2 + 3x \leq 0$

Quadratic Inequalities · 15

The graph of $y = x^2 + 4x - 5$ is shown. Solve: $x^2 + 4x - 5 > 0$



Quadratic Inequalities · 16

Solve: $x^2 + 4x > 0$

Quadratic Inequalities · 10

ANSWER

$-5 < x < 4$

Quadratic Inequalities · 9

ANSWER

$-4 < x < 3$

Quadratic Inequalities · 12

ANSWER

$5 \leq x \leq 6$

Quadratic Inequalities · 11

ANSWER

$x \leq -1$ or $x \geq 6$

Quadratic Inequalities · 14

ANSWER

$-3 \leq x \leq 0$

Quadratic Inequalities · 13

ANSWER

$x < 2$ or $x > 5$

Quadratic Inequalities · 16

ANSWER

$x < -4$ or $x > 0$

Quadratic Inequalities · 15

ANSWER

$x < -5$ or $x > 1$

Quadratic Inequalities · 17

Solve: $x^2 + 5x - 6 < 0$

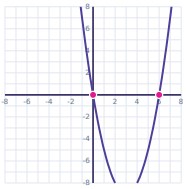
Quadratic Inequalities · 18

Solve: $x^2 + 10x \geq -24$

Quadratic Inequalities · 19

The graph of $y = x^2 - 6x$ is shown.

Solve: $x^2 - 6x > 0$



Quadratic Inequalities · 20

Solve: $x^2 - 11x + 28 \leq 0$

Quadratic Inequalities · 21

Solve: $4x^2 - 16x - 20 > 0$

Quadratic Inequalities · 22

Solve: $x^2 - 3x - 10 \leq 0$

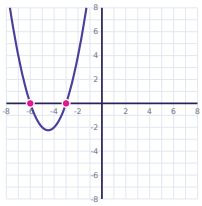
Quadratic Inequalities · 23

Solve: $x^2 - 9x \leq -20$

Quadratic Inequalities · 24

The graph of $y = x^2 + 9x + 18$ is shown.

Solve: $x^2 + 9x + 18 > 0$



Quadratic Inequalities · 18

ANSWER

$x \leq -6$ or $x \geq -4$

Quadratic Inequalities · 17

ANSWER

$-6 < x < 1$

Quadratic Inequalities · 20

ANSWER

$4 \leq x \leq 7$

Quadratic Inequalities · 19

ANSWER

$x < 0$ or $x > 6$

Quadratic Inequalities · 22

ANSWER

$-2 \leq x \leq 5$

Quadratic Inequalities · 21

ANSWER

$x < -1$ or $x > 5$

Quadratic Inequalities · 24

ANSWER

$x < -6$ or $x > -3$

Quadratic Inequalities · 23

ANSWER

$4 \leq x \leq 5$