Quadratic Inequalities · 1

Solve: $x^2 + 7x + 6 \geq 0$

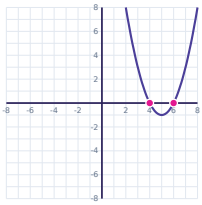
Quadratic Inequalities · 2

Solve: $x^2 + 3x > 4$

Quadratic Inequalities · 3

The graph of $y = x^2 - 10x + 24$ is shown.

Solve: $x^2 - 10x + 24 < 0$



Quadratic Inequalities · 4

Solve: $x^2 - 8x + 15 < 0$

Quadratic Inequalities · 5

Solve: $4x^2 - 28x > 0$

Quadratic Inequalities · 6

Solve: $x^2 - 11x + 28 < 0$

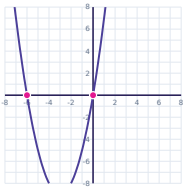
Quadratic Inequalities · 7

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

Quadratic Inequalities · 8

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

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



Quadratic Inequalities · 2

ANSWER

$x < -4$ or $x > 1$

Quadratic Inequalities · 1

ANSWER

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

Quadratic Inequalities · 4

ANSWER

$3 < x < 5$

Quadratic Inequalities · 3

ANSWER

$4 < x < 6$

Quadratic Inequalities · 6

ANSWER

$4 < x < 7$

Quadratic Inequalities · 5

ANSWER

$x < 0$ or $x > 7$

Quadratic Inequalities · 8

ANSWER

$x < -6$ or $x > 0$

Quadratic Inequalities · 7

ANSWER

$1 < x < 5$

Quadratic Inequalities · 9

Solve: $x^2 - 6x + 5 \geq 0$

Quadratic Inequalities · 10

Solve: $2x^2 + 22x + 48 < 0$

Quadratic Inequalities · 11

Solve: $x^2 - 16x > -63$

Quadratic Inequalities · 12

Solve: $-x^2 + x + 2 \geq 0$

Quadratic Inequalities · 13

Solve: $x^2 - 17x + 72 \geq 0$

Quadratic Inequalities · 14

Solve: $2x^2 - 14x + 24 \geq 0$

Quadratic Inequalities · 15

Solve: $x^2 + 4x \leq -3$

Quadratic Inequalities · 16

Solve: $-x^2 - 12x - 27 \geq 0$

Quadratic Inequalities · 10

ANSWER

$-8 < x < -3$

Quadratic Inequalities · 9

ANSWER

$x \leq 1$ or $x \geq 5$

Quadratic Inequalities · 12

ANSWER

$-1 \leq x \leq 2$

Quadratic Inequalities · 11

ANSWER

$x < 7$ or $x > 9$

Quadratic Inequalities · 14

ANSWER

$x \leq 3$ or $x \geq 4$

Quadratic Inequalities · 13

ANSWER

$x \leq 8$ or $x \geq 9$

Quadratic Inequalities · 16

ANSWER

$-9 \leq x \leq -3$

Quadratic Inequalities · 15

ANSWER

$-3 \leq x \leq -1$

Quadratic Inequalities · 17

Solve: $x^2 - 10x + 16 < 0$

Quadratic Inequalities · 18

Solve: $5x^2 - 25x + 30 > 0$

Quadratic Inequalities · 19

Solve: $x^2 + 5x < 14$

Quadratic Inequalities · 20

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

Quadratic Inequalities · 21

Solve: $x^2 - 16 < 0$

Quadratic Inequalities · 22

Solve: $5x^2 + 55x + 140 \geq 0$

Quadratic Inequalities · 23

Solve: $x^2 + 9x > -20$

Quadratic Inequalities · 24

Solve: $-x^2 + 14x - 45 \leq 0$

Quadratic Inequalities · 18

ANSWER

$x < 2$ or $x > 3$

Quadratic Inequalities · 17

ANSWER

$2 < x < 8$

Quadratic Inequalities · 20

ANSWER

$-1 < x < 0$

Quadratic Inequalities · 19

ANSWER

$-7 < x < 2$

Quadratic Inequalities · 22

ANSWER

$x \leq -7$ or $x \geq -4$

Quadratic Inequalities · 21

ANSWER

$-4 < x < 4$

Quadratic Inequalities · 24

ANSWER

$x \leq 5$ or $x \geq 9$

Quadratic Inequalities · 23

ANSWER

$x < -5$ or $x > -4$