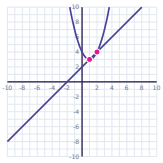
Linear-Quadratic Systems of Equations · 1

Solve the system: $y = x^2 - 8$ and $y = 1$

Linear-Quadratic Systems of Equations · 2

The graphs of $y = x^2 - 2x + 4$ and $y = x + 2$ are shown. Solve the system.



Linear-Quadratic Systems of Equations · 3

Solve the system: $y = x^2 - 7x - 2$ and $y = -2x - 6$

Linear-Quadratic Systems of Equations · 4

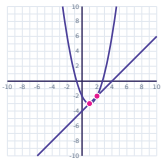
Solve the system: $y = x^2 - 18$ and $y = -2$

Linear-Quadratic Systems of Equations · 5

Solve the system: $y = x^2 - 5x + 9$ and $y = 2x - 3$

Linear-Quadratic Systems of Equations · 6

The graphs of $y = x^2 - 2x - 2$ and $y = x - 4$ are shown. Solve the system.



Linear-Quadratic Systems of Equations · 7

Solve the system: $y = x^2 + 2x - 5$ and $y = 2x - 1$

Linear-Quadratic Systems of Equations · 8

How many solutions does the system have? $y = x^2 + 4x - 2$ and $y = 2x - 2$

Linear-Quadratic Systems of Equations · 2

ANSWER

(1, 3) and (2, 4)

Linear-Quadratic Systems of Equations · 1

ANSWER

(-3, 1) and (3, 1)

Linear-Quadratic Systems of Equations · 4

ANSWER

(-4, -2) and (4, -2)

Linear-Quadratic Systems of Equations · 3

ANSWER

(1, -8) and (4, -14)

Linear-Quadratic Systems of Equations · 6

ANSWER

(1, -3) and (2, -2)

Linear-Quadratic Systems of Equations · 5

ANSWER

(3, 3) and (4, 5)

Linear-Quadratic Systems of Equations · 8

ANSWER

2

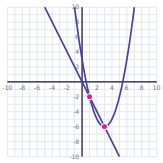
Linear-Quadratic Systems of Equations · 7

ANSWER

(-2, -5) and (2, 3)

Solve the system: $y = x^2 - 2$ and $y = 2$

The graphs of $y = x^2 - 6x + 3$ and $y = -2x$ are shown. Solve the system.

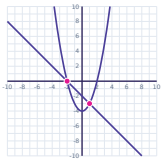


Solve the system: $y = x^2 - 16$ and $y = 2x - 1$

Solve the system: $y = x^2 + 2$ and $y = 3$

Solve the system: $y = x^2 - x + 6$ and $y = 3x + 3$

The graphs of $y = x^2 - 4$ and $y = -x - 2$ are shown. Solve the system.



Solve the system: $y = x^2 - 3x + 1$ and $y = x - 2$

How many solutions does the system have? $y = x^2 - 6x + 6$ and $y = x - 6$

Linear-Quadratic Systems of Equations · 10

ANSWER

(1, -2) and (3, -6)

Linear-Quadratic Systems of Equations · 9

ANSWER

(-2, 2) and (2, 2)

Linear-Quadratic Systems of Equations · 12

ANSWER

(-1, 3) and (1, 3)

Linear-Quadratic Systems of Equations · 11

ANSWER

(-3, -7) and (5, 9)

Linear-Quadratic Systems of Equations · 14

ANSWER

(-2, 0) and (1, -3)

Linear-Quadratic Systems of Equations · 13

ANSWER

(1, 6) and (3, 12)

Linear-Quadratic Systems of Equations · 16

ANSWER

2

Linear-Quadratic Systems of Equations · 15

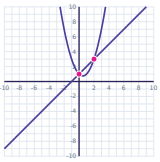
ANSWER

(1, -1) and (3, 1)

Solve the system: $y = x^2 + 6x + 6$ and $y = 2x + 6$

How many solutions does the system have? $y = x^2 - 1$ and $y = 3x - 3$

The graphs of $y = x^2 - x + 1$ and $y = x + 1$ are shown. Solve the system.



Solve the system: $y = x^2 + 2x + 1$ and $y = -2x - 2$

Solve the system: $y = x^2 - 8x + 3$ and $y = -4x - 1$

Solve the system: $y = x^2 - x - 5$ and $y = x - 5$

How many solutions does the system have? $y = x^2 + 3x + 3$ and $y = x$

Solve the system: $y = x^2 - 21$ and $y = -5$

Linear-Quadratic Systems of Equations · 18

ANSWER

2

Linear-Quadratic Systems of Equations · 17

ANSWER

(-4, -2) and (0, 6)

Linear-Quadratic Systems of Equations · 20

ANSWER

(-3, 4) and (-1, 0)

Linear-Quadratic Systems of Equations · 19

ANSWER

(0, 1) and (2, 3)

Linear-Quadratic Systems of Equations · 22

ANSWER

(0, -5) and (2, -3)

Linear-Quadratic Systems of Equations · 21

ANSWER

(2, -9)

Linear-Quadratic Systems of Equations · 24

ANSWER

(-4, -5) and (4, -5)

Linear-Quadratic Systems of Equations · 23

ANSWER

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