Linear-Quadratic Systems of Equations · 1

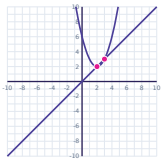
Solve the system: $y = x^2 + 3x + 8$ and $y = -4x - 2$

Linear-Quadratic Systems of Equations · 2

How many solutions does the system have? $y = x^2 + x + 9$ and $y = 5x + 5$

Linear-Quadratic Systems of Equations · 3

The graphs of $y = x^2 - 4x + 6$ and $y = x$ are shown. Solve the system.



Linear-Quadratic Systems of Equations · 4

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

Linear-Quadratic Systems of Equations · 5

Solve the system: $y = x^2 + 4x + 6$ and $y = 4x + 6$

Linear-Quadratic Systems of Equations · 6

Solve the system: $y = x^2 - 10x + 2$ and $y = -2x - 5$

Linear-Quadratic Systems of Equations · 7

How many solutions does the system have? $y = x^2 - 11x + 42$ and $y = 2x$

Linear-Quadratic Systems of Equations · 8

Solve the system: $y = x^2 - 11$ and $y = 5$

Linear-Quadratic Systems of Equations · 2

ANSWER

1

Linear-Quadratic Systems of Equations · 1

ANSWER

(-5, 18) and (-2, 6)

Linear-Quadratic Systems of Equations · 4

ANSWER

(2, -1) and (4, 1)

Linear-Quadratic Systems of Equations · 3

ANSWER

(2, 2) and (3, 3)

Linear-Quadratic Systems of Equations · 6

ANSWER

(1, -7) and (7, -19)

Linear-Quadratic Systems of Equations · 5

ANSWER

(0, 6)

Linear-Quadratic Systems of Equations · 8

ANSWER

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

Linear-Quadratic Systems of Equations · 7

ANSWER

2

Solve the system: $y = x^2 + 10x + 1$ and $y = 4x + 1$

Solve the system: $y = x^2 - 3x + 14$ and $y = 5x - 2$

How many solutions does the system have? $y = -x^2 + 9x - 44$ and $y = -4x - 2$

Solve the system: $y = 2x^2 + 5x + 7$ and $y = -5x - 1$

Solve the system: $y = x^2 + x + 6$ and $y = 3x + 1$

Solve the system: $y = x^2 - 6x - 1$ and $y = -2x - 1$

Solve the system: $y = x^2 + 11x + 23$ and $-2x + y = 5$

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

Linear-Quadratic Systems of Equations · 10

ANSWER

(4, 18)

Linear-Quadratic Systems of Equations · 9

ANSWER

(-6, -23) and (0, 1)

Linear-Quadratic Systems of Equations · 12

ANSWER

(-4, 19) and (-1, 4)

Linear-Quadratic Systems of Equations · 11

ANSWER

2

Linear-Quadratic Systems of Equations · 14

ANSWER

(0, -1) and (4, -9)

Linear-Quadratic Systems of Equations · 13

ANSWER

no solution

Linear-Quadratic Systems of Equations · 16

ANSWER

(-3, 12) and (1, -8)

Linear-Quadratic Systems of Equations · 15

ANSWER

(-6, -7) and (-3, -1)

Solve the system: $y = x^2 - 13x + 26$ and $y = -3x + 2$

Solve the system: $y = x^2 - 9x + 32$ and $y = 3x - 4$

How many solutions does the system have? $y = x^2 - 2x + 5$ and $y = 4x - 4$

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

Solve the system: $y = x^2 + 8x + 29$ and $y = -2x - 1$

Solve the system: $y = x^2 - 5x - 14$ and $y = -3x - 6$

Solve the system: $y = x^2 - 14x + 23$ and $3x + y = -5$

Solve the system: $y = -x^2 + 4x + 7$ and $y = x + 3$

Linear-Quadratic Systems of Equations · 18

ANSWER

(6, 14)

Linear-Quadratic Systems of Equations · 17

ANSWER

(4, -10) and (6, -16)

Linear-Quadratic Systems of Equations · 20

ANSWER

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

Linear-Quadratic Systems of Equations · 19

ANSWER

1

Linear-Quadratic Systems of Equations · 22

ANSWER

(-2, 0) and (4, -18)

Linear-Quadratic Systems of Equations · 21

ANSWER

no solution

Linear-Quadratic Systems of Equations · 24

ANSWER

(-1, 2) and (4, 7)

Linear-Quadratic Systems of Equations · 23

ANSWER

(4, -17) and (7, -26)