Task card 1 Linear-Quadratic Systems of Equati...

Solve the system: $y = -2x^2 + 10x + 2$ and $y = 4x + 6$

Task card 2 Linear-Quadratic Systems of Equati...

Solve the system: $y = -x^2 + 10x - 45$ and $3x + y = -3$

Task card 3 Linear-Quadratic Systems of Equati...

Solve the system: $y = x^2 - 17x + 33$ and $y = -5x - 3$

Task card 4 Linear-Quadratic Systems of Equati...

How many solutions does the system have? $y = x^2 + 5x + 8$ and $y = -3x - 4$

Task card 5 Linear-Quadratic Systems of Equati...

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

Task card 6 Linear-Quadratic Systems of Equati...

Solve the system: $y = x^2 + 9x + 57$ and $y = -5x + 6$

Task card 7 Linear-Quadratic Systems of Equati...

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

Task card 8 Linear-Quadratic Systems of Equati...

How many solutions does the system have? $y = 2x^2 - 13x + 36$ and $y = 3x$

Task card 9 Linear-Quadratic Systems of Equati...

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

Task card 10 Linear-Quadratic Systems of Equati...

Solve the system: $y = -x^2 - 4x - 9$ and $-2x + y = -1$

Task card 11 Linear-Quadratic Systems of Equati...

Solve the system: $y = x^2 - 4x + 22$ and $y = 4x + 6$

Task card 12 Linear-Quadratic Systems of Equati...

How many solutions does the system have? $y = 2x^2 - 31x + 81$ and $y = -5x - 3$

Task card 13 Linear-Quadratic Systems of Equati...

Solve the system: $y = -2x^2 + x + 27$ and $y = -x + 3$

Task card 14 Linear-Quadratic Systems of Equati...

Solve the system: $y = x^2 - 4x + 5$ and $y = -4x$

Task card 15 Linear-Quadratic Systems of Equati...

Solve the system: $y = x^2 - 4x + 18$ and $-5x + y = 4$

Task card 16 Linear-Quadratic Systems of Equati...

How many solutions does the system have? $y = x^2 - x + 13$ and $y = -5x + 5$

Task card 17 Linear-Quadratic Systems of Equati...

Solve the system: $y = 2x^2 - 5x - 4$ and $y = x + 4$

Task card 18 Linear-Quadratic Systems of Equati...

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

Task card 19 Linear-Quadratic Systems of Equati...

Solve the system: $y = x^2 + 5x + 7$ and $y = 3x + 6$

Task card 20 Linear-Quadratic Systems of Equati...

How many solutions does the system have? $y = x^2 - 4x - 11$ and $y = -5x - 5$

Task card 21 Linear-Quadratic Systems of Equati...

Solve the system: $y = -2x^2 + 24x - 49$ and $y = 4x - 1$

Task card 22 Linear-Quadratic Systems of Equati...

Solve the system: $y = x^2 - 6x + 21$ and $y = 2x + 2$

Task card 23 Linear-Quadratic Systems of Equati...

Solve the system: $y = 2x^2 - 10x - 17$ and $4x + y = 3$

Task card 24 Linear-Quadratic Systems of Equati...

How many solutions does the system have? $y = x^2 + 13x + 33$ and $y = x - 4$

Linear-Quadratic Systems of Equations Task Cards

Recording sheet · Grade 11 · Solve each system. Write a solution as a point (x, y). If there are two solutions write them like (-1, 2) and (3, 10), with the smaller x first. If the line and the parabola never meet, write no solution.

Scan to check your answers

Name: _____ Date: _____

1	2	3	4
5	6	7	8
9	10	11	12
13	14	15	16
17	18	19	20
21	22	23	24

Linear-Quadratic Systems of Equations Task Cards: Answer Key

Grade 11 · Hard

The answers online

1. (1, 10) and (2, 14)	**2.** (6, -21) and (7, -24)	**3.** (6, -33)
4. 2	**5.** (-2, -6) and (-1, -2)	**6.** no solution
7. (-3, 14) and (0, 5)	**8.** 0	**9.** (2, 2) and (3, 0)
10. (-4, -9) and (-2, -5)	**11.** (4, 22)	**12.** 2
13. (-3, 6) and (4, -1)	**14.** no solution	**15.** (2, 14) and (7, 39)
16. 0	**17.** (-1, 3) and (4, 8)	**18.** (-2, 12) and (-1, 8)
19. (-1, 3)	**20.** 2	**21.** (4, 15) and (6, 23)
22. no solution	**23.** (-2, 11) and (5, -17)	**24.** 0