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

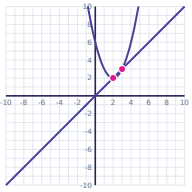
Solve the system: $y = x^2 + 3x + 8$ and $y = -4x - 2$

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

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

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

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



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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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 · Medium

The answers online

1. (-5, 18) and (-2, 6)	**2.** 1	**3.** (2, 2) and (3, 3)
4. (2, -1) and (4, 1)	**5.** (0, 6)	**6.** (1, -7) and (7, -19)
7. 2	**8.** (-4, 5) and (4, 5)	**9.** (-6, -23) and (0, 1)
10. (4, 18)	**11.** 2	**12.** (-4, 19) and (-1, 4)
13. no solution	**14.** (0, -1) and (4, -9)	**15.** (-6, -7) and (-3, -1)
16. (-3, 12) and (1, -8)	**17.** (4, -10) and (6, -16)	**18.** (6, 14)
19. 1	**20.** (-3, 3) and (3, -3)	**21.** no solution
22. (-2, 0) and (4, -18)	**23.** (4, -17) and (7, -26)	**24.** (-1, 2) and (4, 7)