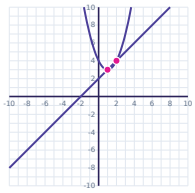
Task card 1 Linear-Quadratic Systems of Equati...

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

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

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



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

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

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

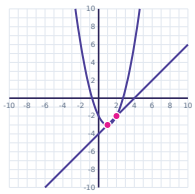
Solve the system: $y = x^2 - 18$ and $y = -2$

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

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

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

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



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

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

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

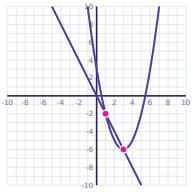
How many solutions does the system have? $y = x^2 + 4x - 2$ and $y = 2x - 2$

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

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

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

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



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

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

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

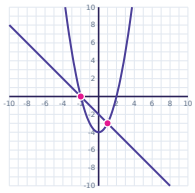
Solve the system: $y = x^2 + 2$ and $y = 3$

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

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

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

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



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

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

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

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

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

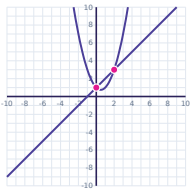
Solve the system: $y = x^2 + 6x + 6$ and $y = 2x + 6$

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

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

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

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



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

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

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

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

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

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

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

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

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

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

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 · Easy

The answers online

1. (-3, 1) and (3, 1)	**2.** (1, 3) and (2, 4)	**3.** (1, -8) and (4, -14)
4. (-4, -2) and (4, -2)	**5.** (3, 3) and (4, 5)	**6.** (1, -3) and (2, -2)
7. (-2, -5) and (2, 3)	**8.** 2	**9.** (-2, 2) and (2, 2)
10. (1, -2) and (3, -6)	**11.** (-3, -7) and (5, 9)	**12.** (-1, 3) and (1, 3)
13. (1, 6) and (3, 12)	**14.** (-2, 0) and (1, -3)	**15.** (1, -1) and (3, 1)
16. 2	**17.** (-4, -2) and (0, 6)	**18.** 2
19. (0, 1) and (2, 3)	**20.** (-3, 4) and (-1, 0)	**21.** (2, -9)
22. (0, -5) and (2, -3)	**23.** 0	**24.** (-4, -5) and (4, -5)