Task card 1 Graphing Quadratic Functions (Vert...

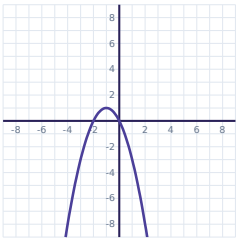
Find the vertex of $y = -3x^2 + 12x - 20$.

Task card 2 Graphing Quadratic Functions (Vert...

Find the axis of symmetry of $y = -4x^2 - 48x - 138$.

Task card 3 Graphing Quadratic Functions (Vert...

What are the x-intercepts of the parabola?

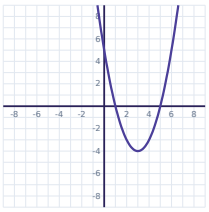


Task card 4 Graphing Quadratic Functions (Vert...

Find the minimum value of $y = 3x^2 + 18x + 30$.

Task card 5 Graphing Quadratic Functions (Vert...

What is the vertex of the parabola?



Task card 6 Graphing Quadratic Functions (Vert...

Find the vertex of $y = 3x^2 - 6x + 13$.

Task card 7 Graphing Quadratic Functions (Vert...

Find the maximum value of $y = -x^2 + 12x - 35$.

Task card 8 Graphing Quadratic Functions (Vert...

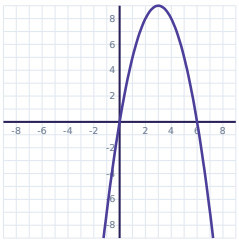
Find the vertex of $y = 3x^2 + 30x + 86$.

Task card 9 Graphing Quadratic Functions (Vert...

Find the axis of symmetry of $y = 3x^2 - 6x - 3$.

Task card 10 Graphing Quadratic Functions (Vert...

What are the x-intercepts of the parabola?

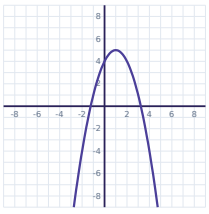


Task card 11 Graphing Quadratic Functions (Vert...

Find the minimum value of $y = x^2 + 8x + 5$.

Task card 12 Graphing Quadratic Functions (Vert...

What is the vertex of the parabola?



Task card 13 Graphing Quadratic Functions (Vert...

Find the vertex of $y = 3x^2 + 12x + 22$.

Task card 14 Graphing Quadratic Functions (Vert...

Find the minimum value of $y = x^2 + 6x + 8$.

Task card 15 Graphing Quadratic Functions (Vert...

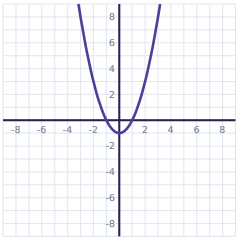
Find the vertex of $y = 2x^2 - 8x - 4$.

Task card 16 Graphing Quadratic Functions (Vert...

Find the axis of symmetry of $y = 2x^2 - 32x + 139$.

Task card 17 Graphing Quadratic Functions (Vert...

What are the x-intercepts of the parabola?

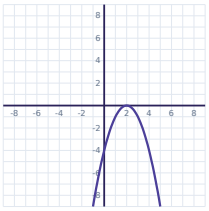


Task card 18 Graphing Quadratic Functions (Vert...

Find the minimum value of $y = x^2 - 10x + 29$.

Task card 19 Graphing Quadratic Functions (Vert...

What is the vertex of the parabola?



Task card 20 Graphing Quadratic Functions (Vert...

Find the vertex of $y = x^2 + 14x + 50$.

Task card 21 Graphing Quadratic Functions (Vert...

Find the minimum value of $y = 2x^2 + 16x + 21$.

Task card 22 Graphing Quadratic Functions (Vert...

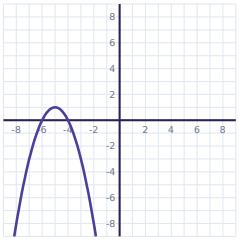
Find the vertex of $y = -4x^2 + 8x + 7$.

Task card 23 Graphing Quadratic Functions (Vert...

Find the axis of symmetry of $y = 4x^2 + 40x + 94$.

Task card 24 Graphing Quadratic Functions (Vert...

What are the x-intercepts of the parabola?



Graphing Quadratic Functions (Vertex & Axis of Symmetry) Task Cards

Recording sheet · Grade 9 · Write a vertex as an ordered pair like (2, -3), an axis of symmetry like x = 2, and x-intercepts like x = -1 or x = 5. To graph a parabola, click its vertex and two more points on the grid.

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

Graphing Quadratic Functions (Vertex & Axis of Symmetry) Task Cards: Answer Key

Grade 9 · Medium

The answers online

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