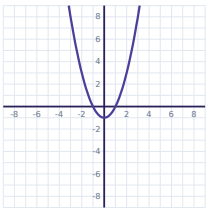
Task card 1 Graphing Quadratic Functions (Vert...

What is the vertex of the parabola?



Task card 2 Graphing Quadratic Functions (Vert...

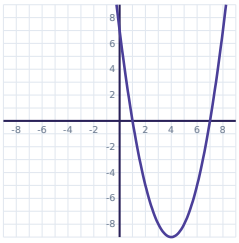
Find the axis of symmetry of $y = 2x^2 - 16x + 42$.

Task card 3 Graphing Quadratic Functions (Vert...

Find the vertex of $y = 2x^2 + 8x + 14$.

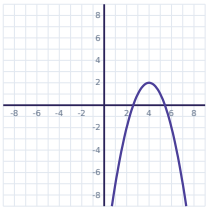
Task card 4 Graphing Quadratic Functions (Vert...

What are the x-intercepts of the parabola?



Task card 5 Graphing Quadratic Functions (Vert...

What is the vertex of the parabola?

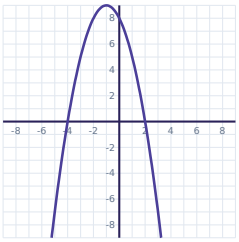


Task card 6 Graphing Quadratic Functions (Vert...

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

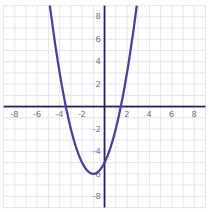
Task card 7 Graphing Quadratic Functions (Vert...

What are the x-intercepts of the parabola?



Task card 8 Graphing Quadratic Functions (Vert...

What is the vertex of the parabola?



Task card 9 Graphing Quadratic Functions (Vert...

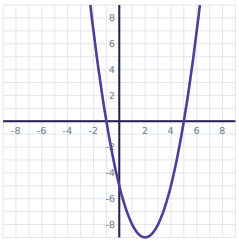
Find the axis of symmetry of $y = x^2 - 4x + 5$.

Task card 10 Graphing Quadratic Functions (Vert...

Find the vertex of $y = x^2 + 2x - 10$.

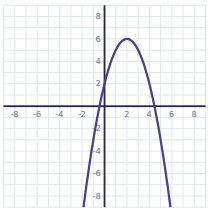
Task card 11 Graphing Quadratic Functions (Vert...

What are the x-intercepts of the parabola?



Task card 12 Graphing Quadratic Functions (Vert...

What is the vertex of the parabola?

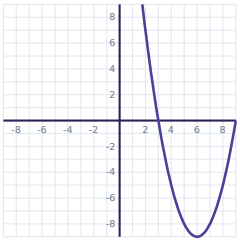


Task card 13 Graphing Quadratic Functions (Vert...

Find the vertex of $y = 2x^2 + 20x + 62$.

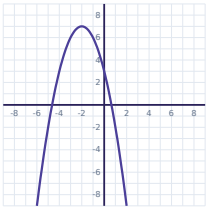
Task card 14 Graphing Quadratic Functions (Vert...

What are the x-intercepts of the parabola?



Task card 15 Graphing Quadratic Functions (Vert...

What is the vertex of the parabola?



Task card 16 Graphing Quadratic Functions (Vert...

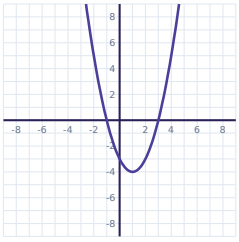
Find the axis of symmetry of $y = -x^2 - 2x + 2$.

Task card 17 Graphing Quadratic Functions (Vert...

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

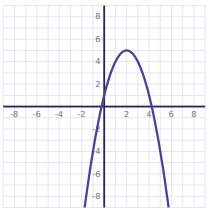
Task card 18 Graphing Quadratic Functions (Vert...

What are the x-intercepts of the parabola?



Task card 19 Graphing Quadratic Functions (Vert...

What is the vertex of the parabola?

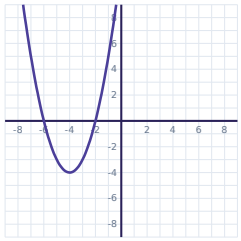


Task card 20 Graphing Quadratic Functions (Vert...

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

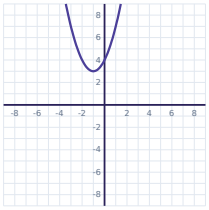
Task card 21 Graphing Quadratic Functions (Vert...

What are the x-intercepts of the parabola?



Task card 22 Graphing Quadratic Functions (Vert...

What is the vertex of the parabola?



Task card 23 Graphing Quadratic Functions (Vert...

Find the axis of symmetry of $y = x^2 + 4x + 14$.

Task card 24 Graphing Quadratic Functions (Vert...

Find the vertex of $y = 2x^2 - 8x + 1$.

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 · Easy

The answers online

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