

Vertex Form of a Parabola



Name: _____ Date: _____

Parabolas in Vertex Form MAZE

Directions: Begin at the "Start here!" square. Use your answer to move to the next square. Continue until you get to the "Finished!" square.

START HERE!

FINISH!

Maze Activity

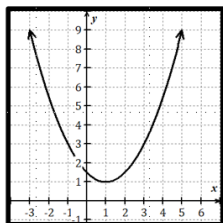
Vertex Form of a Parabola Maze

Name: _____ Date: _____ Period: _____

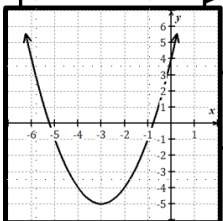
Parabolas in Vertex Form **MAZE**

Directions: Begin at the "Start here!" square. Use your answer to move to the next square. Continue until you get to the "Finished!" square.

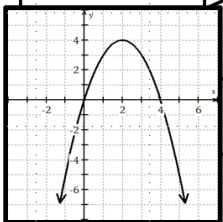
START HERE!



$$y = 0.5(x - 1)^2 + 3$$



$$y = (x + 3)^2 - 5$$



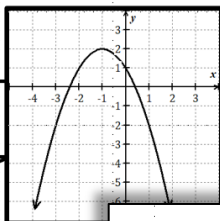
$$y = (x - 1)^2 + 3$$

$$y = -(x - 1)^2 + 2$$

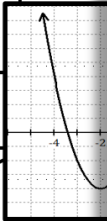
$$y = 2(x + 2)^2 - 4$$

$$y = -(x - 2)^2 + 4$$

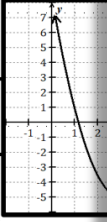
$$y = -0.5(x - 2)^2 + 54$$



$$y = 2(x$$

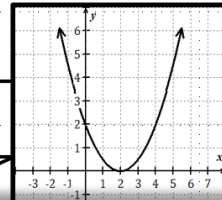


$$y = (x -$$



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$$y = -(x + 1)^2 + 2$$



Vertex Form of a Parabola Extension Activity

Name _____

Date _____

Directions: For each parabola found on the maze, use any method to find the zeros of the function. Show your work.

1. $y = 0.5(x - 1)^2 + 3$

2. $y = (x + 3)^2 - 5$

3. $y = -(x - 2)^2 + 4$

4. $y = -(x + 1)^2 + 2$

5. $y = 2(x + 2)^2 - 4$

6. $y = \frac{3}{2}(x - 3)^2 - 5$

7. $y = \frac{1}{2}(x - 2)^2$

8. $y = -\frac{1}{2}(x + 3)^2 + 3$

9. $y = -2(x - 1)^2 + 4$

