

## Quadratic Convert Vertex Standard Form

Name \_\_\_\_\_ Date \_\_\_\_\_ Period \_\_\_\_\_

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Convert the following quadratics from vertex form to standard form.

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

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

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

Convert the following quadratics from standard form to vertex form.

4)  $y = x^2 - 8x + 15$

5)  $y = x^2 - 4x$

6)  $y = x^2 + 8x + 18$

7)  $y = x^2 + 4x + 3$

8)  $y = x^2 - 2x + 5$

9)  $y = x^2 - 8x + 17$

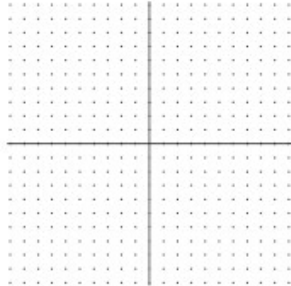
## Quadratic Convert Vertex Standard Form

Name \_\_\_\_\_ Date \_\_\_\_\_ Period \_\_\_\_\_

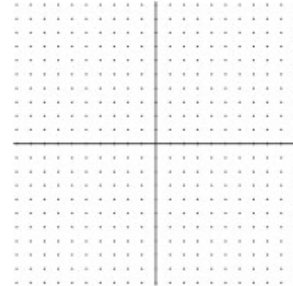
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Convert the following quadratics from standard form to vertex form, then graph them.

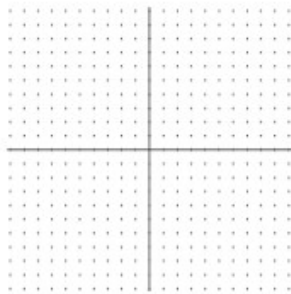
10)  $y = x^2 - 6x + 7$



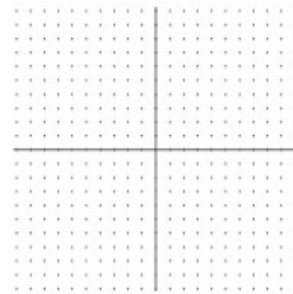
11)  $y = x^2 + 6x + 5$



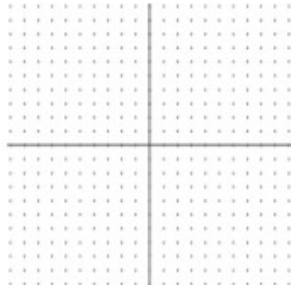
12)  $y = -x^2 + 4x - 1$



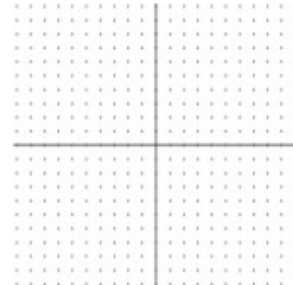
13)  $y = -x^2 - 6x - 7$



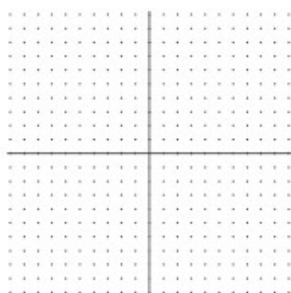
14)  $y = 2x^2 - 8x + 9$



15)  $y = -x^2 - 6x - 10$



16)  $y = -2x^2 + 12x - 21$



17)  $y = x^2 + 8x + 15$

