

Converting Quadratic Equations Worksheet: Standard to Vertex

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

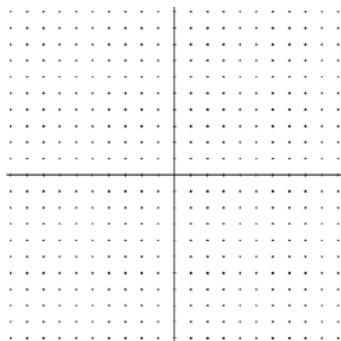
7) $y = x^2 + 4x + 3$

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

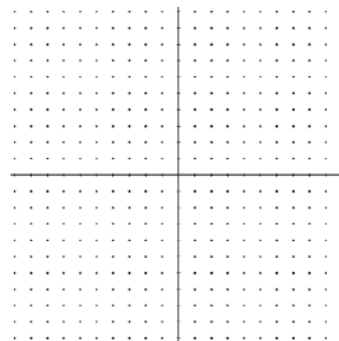
9) $y = x^2 - 8x + 17$

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

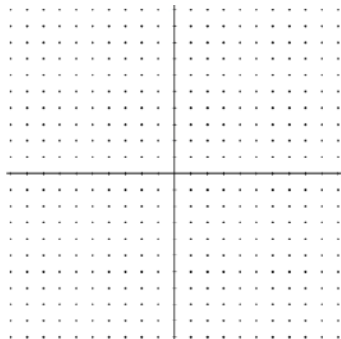
10) $y = x^2 - 6x + 7$



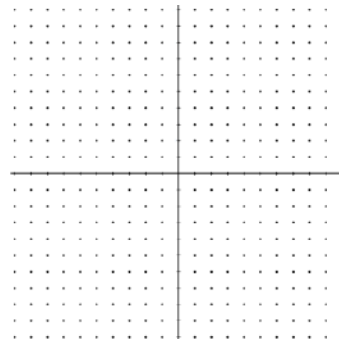
11) $y = x^2 + 6x + 5$



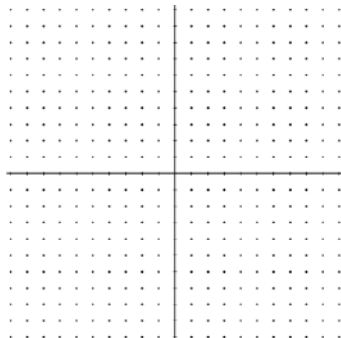
12) $y = -x^2 + 4x - 1$



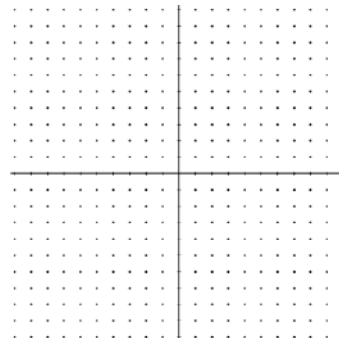
13) $y = -x^2 - 6x - 7$



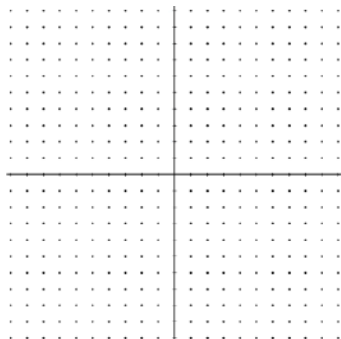
14) $y = 2x^2 - 8x + 9$



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



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



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

