

Find the vertex of a quadratic function.

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

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

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

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

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

6.  $y = 2(x + 2)^2 + 2$

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

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

9.  $y = 2(x - 1)^2 - 12$

10.  $y = -3(x + 7)^2 - 11$