

Translating x^2 : Understanding the Vertex Form of the Quadratic Equation

Set 5-2a

Graph the following functions and state the vertex.

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

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

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

4) $y = \frac{2}{3}(x - 2)^2 + 2$

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