

What you will learn about:
Writing Equations of Quadratics

Standard Form

$$y = ax^2 + bx + c$$

Intercept Form

$$y = a(x - p)(x - q)$$

Vertex Form

$$y = a(x - h)^2 + k$$

Write the equation in standard form.

$$f(x) = (x + 1)^2 - 4$$

$$g(x) = (x - 2)^2 + 6$$

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

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

Write each equation in vertex form

$$f(x) = x^2 + 6x - 2$$

$$g(x) = 3x^2 - 12x - 10$$

Write the equation of the function from the graph.

