

SECTION 2.1: TRANSFORMATIONS OF QUADRATIC FUNCTIONS

Homework: _____

Learning Targets:

2a. Understanding of how to describe a transformation of a quadratic function

Quadratic Functions: a _____ curve. Another name for a quadratic function is a _____

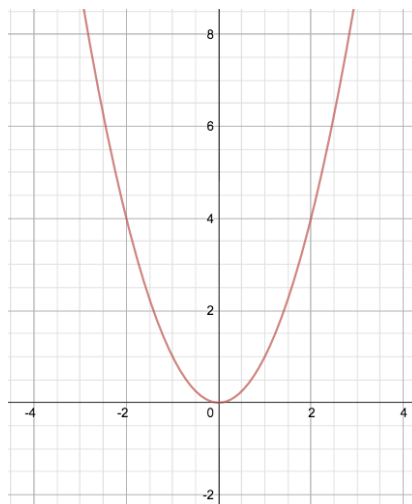
Vertex Form:

Describing Transformations:

$$\underline{(x - h)^2}$$

$$\underline{+ k}$$

$$\underline{a}$$



$$\underline{-a}$$

$$\underline{(-x)^2}$$

Examples: Graph each parabola

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

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

3. $y = \frac{1}{3}x^2 + 1$

