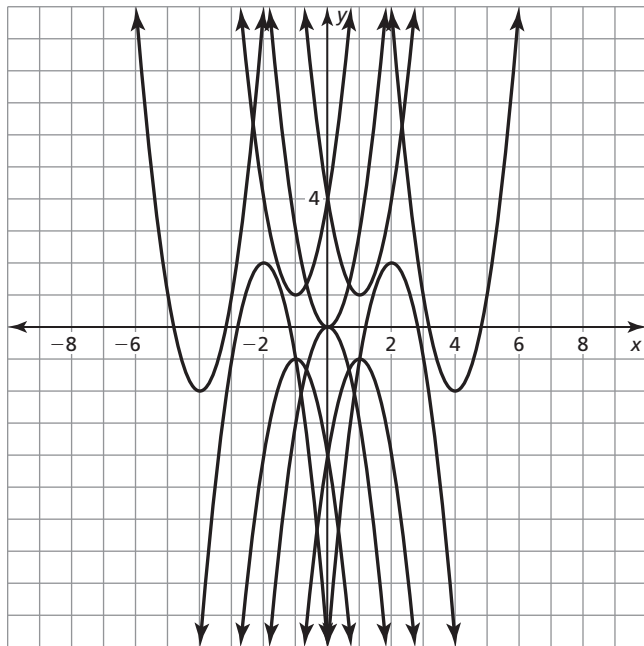


2.1 Enrichment and Extension

Transformations of Quadratic Functions

Displayed below are 10 parabolas.



The equations for three of the graphs are as follows.

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

$$y = 3x^2$$

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

Find the equations of the other seven parabolas with the help of a graphing calculator.