

# Study Guide

- Start with a vertex form quadratic function and be able to report:
  - ◆ vertex
  - ◆ axis of symmetry
  - ◆ direction
  - ◆ max/min
  - ◆ domain/range
- Be able to construct a vertex form quadratic equation
  - ◆ given a vertex and a point. or a max/axis of symmetry
  - ◆ Or from graph. (find the vertex, and a point)
- Be able to graph a quadratic from both vertex form as well as standard form.
- Change a quadratic function from standard form to vertex form.
- Word problems
  - ◆ anything from class or the text is fair game.
  - ◆ We practices maximizing revenue, modeling a mirror, and the height of an object.