

## SECTION 2.2: CHARACTERISTICS OF QUADRATIC FUNCTIONS

Homework: \_\_\_\_\_

### Learning Targets:

- 2b. Understanding of how to find and describe the different characteristics of quadratic functions.

Vertex Form

Standard Form

Intercept Form

Important Feature	What is it?	Where is it?	How do you find it?
Axis of Symmetry			
Maximum Value			
Minimum Value			
Roots/Zeros/Solutions			
y-intercept			

*Example: For a typical basketball shot, the ball's height (in feet) will be the function of time in flight (in seconds), modeled by an equation such as  $h(t) = -16t^2 + 40t + 6$ .*