

5.1 Quadratic Functions

Upon completing Section 5.1: Quadratic Functions the learner will be able to:

- Recognize characteristics of parabolas. (5.1.1)
- Understand how the graph of a parabola is related to its quadratic function. (5.1.2)
- Determine a quadratic function's minimum or maximum value. (5.1.3)
- Solve problems involving a quadratic function's minimum or maximum value. (5.1.4)

Task:

Your task will cover objectives 5.1.1 and 5.1.2. You need to take notes on the first 3 examples of the video below and complete the 3 questions in the [in-class practice](#). Your group will be assigned one of these questions to work for the class.

Upon completion of this task and working through the resources below, take a look at the [in-class practice](#) (if you haven't already). Be prepared to discuss the questions in class.

Video References*

<https://youtu.be/PIVYVCYpnFA> (Mr. Melton)

Text References*

OpenStax College Algebra: [Section 5.1](#)

Blank Notes

Blank notes for Mr. Melton's video can be found on my website, [here](#).

*Additional resource links do not indicate an endorsement of all resources from the respective websites.