

Algebra II

Chapter 7 Review

What are the three methods for solving quadratic equations?

- 1)
- 2)
- 3)

What is the domain of any quadratic function?

What is the general form of a quadratic function?

What is it good for?

- 1)
- 2)

What are y -intercepts?

How do I find them?

- 1)
- 2)

What are x -intercepts?

How do I find them?

- 1)
- 2)

What are some other names for x -intercepts (synonyms)?

- 1)
- 2)
- 3)

What is the standard form of a quadratic function ?

What is it useful for?

What does a tell us about the graph?

1)

2)

3)

What does h do to the graph?

What does k do to the graph?

What is a derivative?

How do I find the derivative of:

1) a constant function?

2) a polynomial? a:

 b:

What is the derivative used for?

How do I find a quadratic equation from its solutions?

What is the quadratic formula?

What is it useful for?

The vertex of a quadratic is (h, k) . How does the vertex relate to:

- 1) the axis of symmetry:
- 2) the value of the maximum or the minimum?
- 3) the range of the function?
- 4) the x -intercepts?
- 5) the input that causes the max or min?