

Algebra 2
Chapter 3: Quadratic Equations & Complex Numbers
Outline

VOCABULARY

- Complex conjugate
- Discriminant
- Factor
- Imaginary number
- Quadratic Formula
- Root
- Zero

SECTIONS

- Section 3.1: Solving Quadratic Equations
- Section 3.2: Complex Numbers
- Section 3.3: Completing the Square
- Section 3.4: Using the Quadratic Formula
- Section 3.5: Solving Nonlinear Systems
- Section 3.6: Quadratic Inequalities

LEARNING TARGETS

- 3a. Understanding of how to solve quadratic equations using graphs, factoring, completing the square, and the Quadratic Formula.
- 3b. Understanding of the type of solutions for quadratic functions by looking at the graphs and the discriminant
- 3c. Understanding of what a complex number is and how to perform basic operations with them.
- 3d. Understanding of how to find solutions to nonlinear systems of equations.
- 3e. Understanding of how to graph quadratic inequalities and solve quadratic inequalities in 1-variable.

ASSESSMENTS

- Friday, 12/18 → Quiz 2A
- Tuesday, 1/12 → 1st Semester Exam