

Resource Page: Quadratic Equations

Lesson 1: Solving Quadratic Equations by Graphing

Absolute Value Workbook: Quadratic Equations: Lesson 4 Page 401 - 406

Video Links:

- [Algebra II: Roots, Zeros, Factors, Solutions and x-intercepts of polynomial functions](#)

Lesson 2: Solving Quadratic Equations by Factoring

Absolute Value Workbook: : Quadratic Equations: Lesson 1, 2, 3, 4 and 5 Page 377 - 414

Video Links:

- [Factoring Out The Greatest Common Factor](#)
- [Ex: Factoring Polynomials with Common Factors](#)
- [Ex: Factor a Difference of Squares in the Form \$a^2 - x^2\$](#)
- [Ex: Factor Trinomials When A is NOT Equal to 1 - Grouping Method](#)
- [Ex: Factor and Solve Quadratic Equation - Greatest Common Factor +](#)
- [Ex: Factor and Solve Quadratic Equation - Trinomial \$a = -1\$](#)
- [Ex 1: Factor and Solve a Quadratic Equation Using Difference of Squares](#)
- [Writing Quadratic Functions Given Zeros](#)
- [Derive a Quadratic Equation Given the Roots](#)
- [Derive a Quadratic Equation Given the Vertex](#)

Lesson 3: Solving Quadratic Equations by Quadratic Formula

Absolute Value Workbook: Quadratic Equations: Lesson 6 Page 415 - 422

Video Links:

- [The Quadratic Formula](#)

Lesson 4: Solving Problems Using Quadratic Equations

Absolute Value Workbook: Quadratic Equations: Lesson 7 Page 423 - 432

Video Links:

- [More Word Problems Using Quadratic Equations - Example 1](#)
- [Solving Word Problems involving Distance, Rate, and Time Using Quadratics - Example 3](#)