

Math 0362
TR Unit Outline
Fall 2017

Unit 1

- 7.1 The Greatest Common Factor and Factoring by Grouping
- 7.2 Factoring Trinomials of the form $x^2 + bx + c$
- 7.3 Factoring Trinomials of the form $ax^2 + bx + c$
- 7.4 Factoring Special Trinomials and Binomials
- 7.5 Solving Quadratic Equations by Factoring
- 7.6 Applications of Quadratic Equations

Unit 2

- 8.1 Rational Expressions and Functions
- 8.2 Multiplying and Dividing Rational Expressions
- 8.3 Finding the LCD
- 8.4 Adding and Subtracting Rational Expressions
- 8.5 Simplifying Complex Fractions
- 8.6 Solving Rational Equations
- 8.7 Applications of Rational Equations
- 8.8 Variation

Unit 3

- 4.6 Intro to Functions
- 5.1 Solving Systems by Graphing
- 5.2 Solving Systems by the Substitution Method
- 5.3 Solving Systems by the Elimination Method
- 9.1 Absolute Value Equations
- 9.2 Absolute Value Inequalities
- 9.3 Linear and Compound Linear Inequalities in Two Variables

Unit 4

- 10.1 Finding Roots
- 10.2 Rational Exponents
- 10.3 Simplifying Expressions Containing Square Roots
- 10.4 Simplifying Expressions Containing Higher Roots
- 10.5 Adding, Subtracting and Multiplying Radicals
- 10.6 Dividing Radicals

Unit 5

- 10.7 Solving Radical Equations
- 10.8 Complex Numbers
- 11.2 Pythagorean Theorem and Distance Formula
- 11.3 The Quadratic Formula
- 12.3 Quadratic Functions and Their Graphs