

Course Outline for Math 063 Tschritter Text : Lial-Hornsby,
Intermediate Algebra

Chapter 1 Review of Real Number System

- # 1 1.1 basic terms
- # 2 1.3 properties real numbers

Chapter 4 Systems of Linear Equations

- # 3 4.3 applications

Chapter 2 Linear Equations & Inequalities

- #4 2.4 applications

Chapter 3 Linear Equations & Functions

- # 5 3.5 functions

Chapter 5 Exponents & Polynomials

- # 6 5.1 integer exp & scientific notation
 - # 7 5.2 operations with polynomials
- Assignment # 1 due, Test # 1 lessons 1 - 7

Chapter 5 cont.

- # 8 5.3 polynomial functions
 - # 9 5.4 multiplication of polynomials
 - # 10 5.5 factoring
 - # 11 5.6 factoring
 - # 12 5.7 special factoring
 - # 13 5.8 general methods of factoring
 - # 14 5.9 solving equations by factoring
- Assignment # 2 due, Test # 2

Chapter 6 Rational Expressions

- # 15 6.1 simplifying rational expressions
 - # 16 6.2 addition & subtraction of rational expressions
 - # 17 6.3 complex fractions
 - # 18 6.4 division of polynomials
 - # 19 6.6 graphs of rational equations
 - # 20 6.7 applications
- Assignment # 3 due , Test # 3

Chapter 7 Roots & Radicals

- # 21 7.1 rational exponents & radicals
 - # 22 7.2 simplifying radical expressions
 - # 23 7.3 addition & subtraction of radical expressions
 - # 24 7.4 multiplication & division of radicals
 - # 25 7.5 graphs of radical equations
 - # 26 7.6 complex numbers
- Assignment # 4 due, Test # 4

Chapter 8 Quadratic Equations & Inequalities

- # 27 8.1 completing the square
 - # 28 8.2 quadratic formula
 - # 29 8.3 equations in quadratic form
 - # 30 8.4 formulas & applications
 - # 31 8.5 graphs of quadratic functions
 - # 32 8.6 more on parabolas , applications
- Assignment 5 due, Test # 5

Chapter 6/8 Triangle Trig , Trig Booklet

33 6.1 trig functions of acute angles

34 6.2 applications

35 6.3 trig functions of any angle

36 8.1 law of sines

37 8.2 law of cosines

Assignment # 6 due, Test # 6

Review

Final Test