Math 116 Intermediate Algebra Class Notes (Spring 2011)

Table of contents

Name of Section	File name of Word and PDF files	Section of Martin-Gay Beginning & Intermediate algebra 4th edition
Factoring Introduction	factor1	6.1
Factoring Trinomials like $x^2 + 6x + 5$	factor2	6.2
Factoring Trinomials like $3x^2 + 10x + 8$	factor3	6.3, 6.4
Factoring Binomials like $x^2 - 16$ using Formulas	factor4	6.5
Solving Quadratic Equations by Factoring	factor5	6.6
Problem Solving with Quadratic Equations	factor6	6.7
Rational Expressions and Functions	rational1	7.1
Multiplying and Dividing Rational Expressions	rational2	7.2
Adding and Subtracting Rational Expressions with Like Denominators and Finding Least Common Denominators	rational3	7.3
Adding and Subtracting Rational Expressions with Unlike Denominators	rational4	7.4
Solving Equations with Rational Expressions and Literal Equations	rational5	7.5
Problem Solving with Rational Equations and Proportions	rational6	7.6
Solving Absolute Value Equations	absolute1	9.2
Radicals and Radical Functions	radicals1	10.1
Rational Exponents	exponents3	10.2
Simplifying Radical Expressions and the Distance and Midpoint Formulas	radicals2	10.3
Adding, Subtracting, and Multiplying Radical Expressions	radicals3	10.4
Rationalizing Denominators and Numerators of Radical Expressions	radicals4	10.5
Solving Radical Equations and Problem Solving	radicals5	10.6
Complex Numbers	radicals6	10.7
Solving Quadratic Equations by the Square Root Method and Completing the Square	quadratic1	11.1
Solving Quadratic Equations by the Quadratic Formula	quadratic2	11.2
Solving Equations by using Quadratic Methods and Problem Solving	quadratic3	11.3
Graphs of Quadratic Functions	quadratic4	11.5
More Graphs of Quadratic Functions	quadratic5	11.6