

## **MATH 0371. ELEMENTARY ALGEBRA**

*Elementary and Intermediate Algebra* by Bittinger, Ellenbogen, and Johnson (Fourth Edition)

### **Textbook Sections**

2.1 Solving Equations

2.2 Using the Principles Together

2.3 Formulas

2.5 Problem Solving

2.6 Solving Inequalities

2.7 Solving Applications with Inequalities

3.1 Reading Graphs, Plotting Points, and Scaling Graphs

3.2 Graphing Linear Equations

3.3 Graphing and Intercepts

3.5 Slope

4.1 Exponents and Their Properties

4.2 Polynomials

4.3 Addition and Subtraction of Polynomials

4.4 Multiplication of Polynomials

4.5 Special Products

4.6 Polynomials in Several Variables

4.7 Division of Polynomials

4.8 Negative Exponents and Scientific Notation

5.1 Introduction to Factoring

5.2 Factoring Trinomials of the Type  $x^2 + bx + c$

5.3 Factoring Trinomials of the Type  $ax^2 + bx + c$

5.4 Factoring Perfect-Square Trinomials and Differences of Squares

5.5 Factoring Sums and Differences of Cubes

5.6 Factoring: A General Strategy

5.7 Solving Polynomial Equations by Factoring

5.8 Solving Applications