

**44 Homework sections required to cover 090 course objectives:**

1.1b	Introduction to Absolute Values
1.8	Order of Operations
1.9	Properties of Real Numbers
2.1b	Simplifying Expressions
2.1c	Evaluating Algebraic Expressions
2.2	Translating Phrases into Algebraic Expressions
2.3a	Solving Linear Equations Using Addition and Subtraction
2.3b	Solving Linear Equations Using Multiplication and Division
2.4	Solving Linear Equations
2.5	More Linear Equations: $ax + b = cx + d$
2.6a	Applications: Number Problems and Consecutive Integers
2.6b	Applications of Linear Equations: Addition and Subtraction
2.6c	Applications of Linear Equations: Multiplication and Division
3.1	Working with Formulas
3.3	Applications
3.4	Solving Linear Inequalities
4.1	Introduction to the Cartesian Coordinate System
4.2	Graphing Linear Equations by Plotting Points
5.1	Simplifying Integer Exponents I
5.2a	Simplifying Integer Exponents II
5.2b	Scientific Notation
5.3	Identifying and Evaluating Polynomials
5.4	Adding and Subtracting Polynomials
5.5	Multiplying Polynomials
5.6a	The FOIL Method
5.7a	Division by a Monomial
5.7b	The Division Algorithm
6.1a	Greatest Common Factor of Two or More Terms
6.1b	Greatest Common Factor of a Polynomial
6.1c	Factoring Expressions by Grouping
6.2	Factoring Trinomials: Leading Coefficient I
6.3b	Factoring Trinomials by Grouping
6.4a	Special Factorizations - Squares
6.4b	Special Factorizations - Cubes
6.5	Additional Factoring Practice
6.6	Solving Quadratic Equations by Factoring
6.7	Applications of Quadratic Equations
7.1a	Defining Rational Expressions
7.1b	Multiplication and Division with Rational Expressions
7.2	Addition and Subtraction with Rational Expressions
7.3	Complex Fractions
7.4a	Solving Equations: Ratios and Proportions
7.4b	Solving Equations with Rational Expressions
7.5	Applications Involving Rational Expressions

**Some instructors may choose to assign some of the following sections as review; all of these sections have been customized for our needs:**

1.2	Addition with Real Numbers
1.3	Subtraction with Real Numbers
1.4	Multiplication and Division with Real Numbers
1.5	Exponents, Prime Numbers, and LCM
1.6b	Multiplication and Division with Fractions
1.7	Addition and Subtraction with Fractions
5.6b	Special Products

**NOTE: No other sections have been customized; in other words, the problems are generic ones chosen by Hawkes, not ones chosen by the PSC Math department. This includes the chapter review sections!!!**