

**Math 151 Homework sections required to cover course objectives (20 total):**

4.1	Relations and Functions
4.2a	Linear and Quadratic Functions
4.2b	Max/Min Applications of Quadratic Functions
4.3a	Other Common Functions
4.4	Transformations of Functions
4.5	Combining Functions
4.6	Inverses of Functions
5.1	Introduction to Polynomial Equations and Graphs
5.2	Polynomial Division and the Division Algorithm
5.3	Locating Real Zeros of Polynomials
5.4	The Fundamental Theorem of Algebra
6.1a	Rational Functions
6.1b	Rational Inequalities
7.1	Exponential Functions and Their Graphs
7.2	Applications of Exponential Functions
7.3	Logarithmic Functions and Their Graphs
7.4	Properties and Applications of Logarithms
7.5	Exponential and Logarithmic Equations
8.1	Solving Systems by Substitution and Elimination
8.2	Matrix Notation and Gaussian Elimination

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

1.3a	Properties of Exponents
1.5	Polynomials and Factoring
1.6	The Complex Number System
2.1a	Linear Equations in One Variable
2.1b	Applications of Linear Equations in One Variable
2.3	Quadratic Equations in One Variable
3.2	Linear Equations in Two Variables
3.3	Forms of Linear Equations

**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.**