

Math 95 Homework sections required to cover course objectives (30 total):

3.5a	Solving Absolute Value Equations
3.5b	Solving Absolute Value Inequalities
4.3	Graphing Linear Equations in Slope-Intercept Form
4.4a	Finding the Equation of a Line
4.4b	Graphing Linear Equations in Point-Slope Form
4.5	Introduction to Functions and Function Notation
3.4	Solving Linear Inequalities
4.6	Graphing Linear Inequalities
8.8	Systems of Linear Inequalities
8.1	Solving Systems of Linear Equations by Graphing
8.2	Solving Systems of Linear Equations by Substitution
8.3	Solving Systems of Linear Equations by Addition
8.4	Applications: Distance-Rate-Time, Number Problems, Amounts and Costs
8.5	Applications: Interest and Mixture
9.1	Evaluating Radicals
9.2	Simplifying Radicals
9.3	Rational Exponents
9.4a	Addition and Subtraction with Radicals
9.4b	Multiplication with Radicals
9.4c	Rationalizing Denominators
9.5	Equations with Radicals
9.7	Complex Numbers
9.8	Multiplication and Division with Complex Numbers
10.1a	Quadratic Equations: The Square Root Method
10.1b	Quadratic Equations: Completing the Square
10.2	Quadratic Equations: The Quadratic Formula
10.3	Applications: Quadratic Equations
10.4	Equations in Quadratic Form
10.5	Graphing Parabolas
7.6	Applications: Variation

NOTE: These sections do not completely cover the required objectives for Math 95. See following page for missing objectives and WebTests/other assignments available to you to cover them

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

2.4	Solving Linear Equations
2.5	More Linear Equations
4.2	Graphing Linear Equations by Points
5.2a	Simplifying Integer Exponents II
5.5	Multiplying Polynomials
6.2, 6.3b, 6.4a, 6.5, 6.6	Factoring, Solving Quadratic 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.

As of Spring 2016, objectives not covered by regular sections (need to be supplemented):

Obj. 3: Find equations of lines in slope-intercept or point-slope form. Find equations of horizontal or vertical lines. Determine whether lines are parallel, perpendicular, or neither.

(Horizontal/vertical lines only mentioned when get to parallel/perpendicular; no problems where given a graph of a line and have to write the equation)

Obj. 6: Find unions and intersections of intervals. Sketch the graph of an interval. Convert between interval notation and inequality notation.

(No problems where intervals are given and have to find the union or intersection)

Obj. 19: Graph quadratic functions. Find vertices and x- and y-intercepts of parabolas.

(Problems ask for vertex and 2 other points using vertex form; no problems where have to find vertex and intercepts using standard form; students should know how to find the vertex using $x = -b/2a$)

Assignments you can use to meet missing the objectives (first 3 assignments can be assigned through WebTest in Hawkes; if you need more info, ask Kate):

Assignment	Content
Lines_Extra_HW #1 Lines_Extra_HW #2	1. Write equation of a line with point and described as horizontal or vertical 2. Write equation of a graphed horizontal or vertical line
Intervals_HW	1. Find unions and intersections of sets & intervals
HW #2 handout	1. Graph parabolas in standard form using vertex, intercepts

Note: All instructors are responsible for teaching and assessing the above objectives—if you choose not to use Kate’s assignments, you still need to use some assignment that covers these objectives.