

Math 090 : Intermediate Algebra

Homework assignments—Fall 2011

Note: The problems for each assignment will be available online, by logging in to your **MyMathLab** account. MyMathLab is a computer based learning software. It can be purchased at the UIC bookstore or online at <http://coursecompass.com>. However, to register for this class, you also need the **Course ID**. This will be issued to you by your TA.

Date	Sections	Topics
Mon Aug 22	2.1,2.2	Linear equations in one variable & Introduction to problem solving
Wed Aug 24	2.3	Formulas & Problem solving
Fri Aug 26	2.4 ,2.5	Linear Inequalities , Problem Solving , Compound Inequalities
Mon Aug 29	2.6 , 2.7	Absolute Value Equations & Absolute Value Inequalities
Wed Aug 31	3.2	Introduction to Functions
Fri Sep 02	9.1	Composite Functions
Mon Sep 05	Labor Day	
Wed Sep 07	3.1	Graphing Equations
Fri Sep 09	3.3,3.4	Graphing Linear Functions & Slope of a line
Mon Sep 12	3.5	Equations of Lines
Wed Sep 14	3.7	Graphing Linear Inequalities
Fri Sep 16	4.1	Solving Systems of Linear equations in two variables.
Mon Sep 19	4.2	Solving Systems of Linear equations in three variables
Wed Sep 21	Review	Covers Sections 2.1 to 4.2
Fri Sep 23	Exam 1	
Mon Sep 26	4.3	Systems of Linear Equations & Problem Solving
Wed Sep 28	5.1,5.2	Exponents and Scientific Notation
Fri Sep 30	5.3, 5.4	Polynomials & Polynomial Functions, Multiplying Polynomials
Mon Oct 03	5.5	The Greatest Common Factor & Factoring by Grouping
Wed Oct 05	5.6, 5.7	Factoring Trinomials, Factoring Special Products
Fri Oct 07	5.8	Solving Equations by Factoring & Problem Solving
Mon Oct 10	6.1	Rational Functions, Multiplying and Dividing Rational Expressions
Wed Oct 12	6.2,6.3	Adding and Subtracting Rational Expressions, Simplifying Complex Fractions
Fri Oct 14	6.4,6.5	Dividing Polynomials,Solving Equations containing Rational Expressions
Mon Oct 17	6.6,6.7	Rational Equations and Problem Solving, Variation and problem Solving
Wed Oct 19	Review	Covers 4.3 to 6.7

Fri Oct 21	Exam 2	
Mon Oct 24	7.1	Radicals & Radical functions
Wed Oct 26	7.2,7.3	Rational Exponents, Simplifying Radical Expressions
Fri Oct 28	7.4,7.5	Adding, Subtracting, Multiplying & Rationalizing Radical Expressions
Mon Oct 31	7.6,7.7	Radical Equations & Problem solving, Complex Numbers.
Wed Nov 02	8.1,8.2,8.3	Solving Quadratic Equations by completing the square, using the formula. Solving Equations that are quadratic in Form
Fri Nov 04	8.4	Nonlinear Inequalities in One variable
Mon Nov 07	8.5,8.6	Quadratic functions and their Graphs, Further Graphing of Quadratic Functions.
Wed Nov 09	9.2,9.3,9.4	Inverse Functions, Exponential Functions, Logarithmic Functions
Fri Nov 11	9.5,9.6	Properties of logarithms, Common Logarithms, Natural logarithms, and change of base.
Mon Nov 14	9.7	Exponential and Logarithmic Equations and Applications.
Wed Nov 16	Review	Covers 7.1 to 9.7
Fri Nov 18	Exam 3	
Mon Nov 21	10.1	Circles
Wed Nov 23	10.3	Nonlinear systems of equations
Fri Nov 25	Thanksgiving	
Mon Nov 28	Review for final	
Wed Nov 30	Review for final	
Fri Dec 02	Review for final	