

MONTGOMERY COUNTY COMMUNITY COLLEGE
MAT 011 - Beginning Algebra
Walter R. Hunter

Textbook: *Introduction To Algebra*, custom edition for Montgomery County Community College

Calculator: A calculator similar to the TI STAT 30 is required for this course.

Course

Objective: This course is designed to help the student develop a feeling of confidence with beginning Algebra, to provide the necessary background for an intermediate Algebra course, and to develop the student's ability to translate verbal statements into mathematical symbols and statements.

Prerequisite: MAT010 with a grade of C or better, or the Math Placement Test.

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Office Hours:

Grading:	Four Exams	45%
	Final Exam	15%
	Homework	20%
	In Class Group Work	10%
	Projects	10%

Makeup Exam

Policy: A make up exam will not be given under any circumstances. You should contact me as soon as possible to explain why you missed the test.

Withdrawal

Policy: You must withdraw by the eighth week of the semester.

Assignment

Policy: You are allowed to turn in two assignments late. They must be handed in before I return the assignments.

Homework MAT 011

Signed Numbers	Start on page S 1
Introduction to Variables	Start on page S-11
Simplifying Algebraic Expressions	Start on page S-21
Solving Equations (Part I)	Start on page S-27
Solving Equations (Part II)	Start on page S-33
Applications of Linear Equations (Part I)	Start on page S-41
Applications of Linear Equations (Part II)	Start on page S-51
Percentages	Start on page S-59

TEST I

Inequalities	Start on page S-71
Applications of Inequalities	Start on page S-77
Scatter Plots	Start on page S-91
Interpreting Graphs	Start on page S-97
Graphing Lines by Plotting Points	Start on page S-103
Graphing Lines by Finding the Intercepts	Start on page S-109
Introduction to Slope	Start on page S-119
Slope	Start on page S-129
Applications of Linear Graphs	Start on page S-141

TEST II

Introduction to Exponents	Start on page S-159
Introduction to Negative Exponents	Start on page S-167
Properties of Exponents	Start on page S-175
Introduction to Algebraic Fractions	Start on page S-181
Adding and Subtracting Fractions	Start on page S-187
Solving Equations with Fractions	Start on page S-193
Ratio and Proportion Problems	Start on page S-201

TEST III

Introduction to Quadratics	Start on page S-211
Applications of the Quadratic Formula	Start on page S-219
Quadratic Applications & Their Graphs	Start on page S-231
Section 5.1 - Factoring	Start on page S-235

TEST IV

FINAL