

**MA 090 Prealgebra Videotapes Page 1 of 3**

The following videotapes support different topics found in MA 090. They directly correspond to material in *Prealgebra*, 3rd ed., Martin-Gay, Prentice-Hall, Inc., 2001.

<u>Tape #</u>	<u>Section</u>	<u>Title</u>
<b><i>Chapter 1: Whole Numbers and Introduction to Algebra</i></b>		
V090.01	1.1	Place Value and Names for Numbers
	1.2	Adding Whole Numbers and Perimeter
	1.3	Subtracting Whole Numbers
V090.02	1.4	Rounding and Estimating
	1.5	Multiplying Whole Numbers and Area
	1.6	Dividing Whole Numbers
V090.03	1.7	Exponents and Order of Operations
	1.8	Introduction to Variables and Algebraic Expressions
<b><i>Chapter 2: Integers</i></b>		
V090.03	2.1	Introduction to Integers
V090.04	2.2	Adding Integers
	2.3	Subtracting Integers
	2.4	Multiplying and Dividing Integers
V090.05	2.5	Order of Operations
<b><i>Chapter 3: Solving Equations and Problem Solving</i></b>		
V090.05	3.1	Simplifying Algebraic Expressions
	3.2	Solving Equations: The Addition Property
V090.06	3.3	Solving Equations: The Multiplication Property
	3.4	Solving Linear Equations in One Variable
	3.5	Linear Equations in One Variable and Problem Solving

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<b><u>Tape #</u></b>	<b><u>Section</u></b>	<b><u>Title</u></b>
<b><i>Chapter 4: Fractions</i></b>		
V090.07	4.1	Introduction to Fractions and Equivalent Fractions
	4.2	Factors and Simplest Form
	4.3	Multiplying and Dividing Fractions
V090.08	4.4	Adding and Subtracting Like Fractions and Least Common Denominator
	4.5	Adding and Subtracting Unlike Fractions
	4.6	Complex Fractions and Review of Order of Operations
V090.09	4.7	Solving Equations Containing Fractions
	4.8	Operations on Mixed Numbers
<b><i>Chapter 5: Decimals</i></b>		
V090.09	5.1	Introduction to Decimals
V090.10	5.2	Adding and Subtracting Decimals
	5.3	Multiplying Decimals and Circumference of a Circle
	5.4	Dividing Decimals
V090.11	5.5	Estimating and Order of Operations
	5.6	Fractions and Decimals
	5.7	Equations Containing Decimals
V090.12	5.8	Square Roots and the Pythagorean Theorem
<b><i>Chapter 6: Ratio and Proportion</i></b>		
V090.12	6.1	Ratios
	6.2	Rates
V090.13	6.3	Proportions
	6.4	Proportions and Problem Solving
	6.5	Similar Triangles and Problem Solving

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<b><u>Tape #</u></b>	<b><u>Section</u></b>	<b><u>Title</u></b>
<b><i>Chapter 7: Percent</i></b>		
V090.14	7.1	Percents, Decimals, and Fractions
	7.2	Solving Percent Problems with Equations
	7.3	Solving Percent Problems with Proportions
V090.15	7.4	Applications of Percent
	7.5	Percent and Problem Solving: Sales Tax, Commission, and Discount
	7.6	Percent and Problem Solving: Interest
<b><i>Chapter 8: Graphing and Introduction to Statistics</i></b>		
V090.16	8.1	Reading Circle Graphs
	8.2	Reading Pictographs, Bar Graphs, and Line Graphs
	8.3	The Rectangular Coordinate System
V090.17	8.4	Graphing Linear Equations
	8.5	Mean, Median, and Mode
	8.6	Counting and Introduction to Probability
<b><i>Chapter 9: Geometry and Measurement</i></b>		
V090.18	9.1	Lines and Angles
	9.2	Linear Measurement
	9.3	Perimeter
V090.19	9.4	Area and Volume
	9.5	Weight and Mass
	9.6	Capacity
V090.20	9.7	Temperature
<b><i>Chapter 10: Polynomials</i></b>		
V090.20	10.1	Adding and Subtracting Polynomials
V090.21	10.2	Multiplication Properties of Exponents
	10.3	Multiplying Polynomials
	10.4	Introduction to Factoring Polynomials