

MA 091 Elementary Algebra Videotapes Page 1 of 4

The following tapes correspond to the text *Introductory Algebra*, Ninth Edition by Bittinger (Addison-Wesley Publ., 2002).

<u>Tape #</u>	<u>Section</u>	<u>Time</u>	<u>Title</u>
<i>Pre-algebra Review</i>			
V091.01	R.1	18:48	Factoring and LCMs
	R.2	20:46	Fraction Notation
	R.3	20:08	Decimal Notation
V091.02	R.4	13:32	Percent Notation
	R.5	14:16	Exponential and Order of Operations
	R.6	21:36	Geometry
<i>Chapter 1 Introduction to Real Numbers and Algebraic Expressions</i>			
V091.03	1.1	7:08	Introduction to Algebra
	1.2	20:37	The Real Numbers
	1.3	18:22	Addition of Real Numbers
	1.4	10:12	Subtraction of Real Numbers
V091.04	1.5	13:37	Multiplication of Real Numbers
	1.6	17:12	Division of Real Numbers
	1.7	30:14	Properties of Real Numbers
	1.8	15:35	Simplifying Expressions; Order of Operations
<i>Chapter 2 Solving Equations and Inequalities</i>			
V091.05	2.1	13:27	Solving Equations: The Addition Principle
	2.2	9:36	Solving Equations: The Multiplication Principle
	2.3	22:20	Using the Principles Together
	2.4	10:14	Formulas
V091.06	2.5	17:13	Applications of Percents
	2.6	16:08	Applications and Problem Solving
	2.7	16:41	Solving Inequalities
	2.8	13:30	Applications and Problem Solving with Inequalities

MA 091 Elementary Algebra Videotapes Page 2 of 4

<u>Tape #</u>	<u>Section</u>	<u>Time</u>	<u>Title</u>
<i>Chapter 3 Graphs of Linear Equations</i>			
V091.07	3.1	13:50	Graphs and Applications
	3.2	22:02	Graphing Linear Equations
	3.3	7:38	More with Graphing and Intercepts
	3.4	16:17	Slope and Applications
<i>Chapter 4 Polynomials: Operations</i>			
V091.08	4.1	16:44	Integers as Exponents
	4.2	16:57	Exponents and Scientific Notation
	4.3	16:55	Introduction to Polynomials
	4.4	15:30	Addition and Subtraction of Polynomials
V091.09	4.5	14:45	Multiplication of Polynomials
	4.6	26:53	Special Products
	4.7	21:38	Operations with Polynomials in Several Variables
	4.8	17:40	Division of Polynomials
<i>Chapter 5 Polynomials: Factoring</i>			
V091.10	5.1	13:40	Introduction to Factoring
	5.2	18:25	Factoring Trinomials of the Type $x^2 + bx + c$
	5.3	18:48	Factoring $ax^2 + bx + c$, $a \neq 1$ Using FOIL
	5.4	13:30	Factoring $ax^2 + bx + c$, $a \neq 1$ Using Grouping
V091.11	5.5	17:26	Factoring Trinomial Squares and Differences of Squares
	5.6	13:28	Factoring: A General Strategy
	5.7	15:47	Solving Quadratic Equations by Factoring
	5.8	27:58	Applications of Quadratic Equations
<i>Chapter 6 Rational Expressions and Equations</i>			
V091.12	6.1	15:33	Multiplying and Simplifying Rational Expressions
	6.2	8:08	Division and Reciprocals
	6.3	10:38	Least Common Multiples and Denominators
	6.4	19:00	Adding Rational Expressions

MA 091 Elementary Algebra Videotapes Page 3 of 4

<u>Tape #</u>	<u>Section</u>	<u>Time</u>	<u>Title</u>
V091.13	6.5	22:40	Subtracting Rational Expressions
	6.6	13:57	Solving Rational Equations
	6.7	20:34	Applications Using Rational Equations & Proportions
	6.8	15:00	Complex Rational Expressions

Chapter 7 Graphs, Slope, and Applications

V091.14	7.1	9:07	Slope-Intercept Equation
	7.2	13:00	Graphing Using the Slope and y-intercept
	7.3	13:10	Parallel and Perpendicular Lines
	7.4	13:58	Graphing Inequalities in Two Variables
	7.5	20:03	Direct and Inverse Variation

Chapter 8 Systems of Equations

V091.15	8.1	17:39	Systems of Equations in Two Variables
	8.2	16:00	The Substitution Method
	8.3	12:19	The Elimination Method
	8.4	19:01	Applications with Problem Solving
	8.5	15:08	Applications with Motion

Chapter 9 Radical Expressions and Equations

V091.16	9.1	13:31	Introduction to Radical Expressions
	9.2	16:38	Multiplying and Simplifying with Radical Expressions
	9.3	9:28	Quotients Involving Radical Expressions
V091.17	9.4	16:38	Addition, Subtraction, and More Multiplication
	9.5	14:39	Radical Equations
	9.6	16:15	Applications with Right Triangles

MA 091 Elementary Algebra Videotapes Page 4 of 4

<u>Tape #</u>	<u>Section</u>	<u>Time</u>	<u>Title</u>
<i>Chapter 10 Quadratic Equations</i>			
V091.18	10.1	21:23	Introduction to Quadratic Equations
	10.2	21:26	Solving Quadratic Equations by Completing the Square
	10.3	18:49	The Quadratic Formula
	10.4	8:50	Formulas
V091.19	10.5	17:21	Applications and Problem Solving
	10.6	19:56	Graphs of Quadratic Equations
	10.7	18:54	Functions