

Curriculum Plan

Printed By: James Dressler

110, College Algebra
Section: 9956

BASED ON: 3. College Algebra: Standard Topics

Getting Started

Getting Started

12. The Exponential and Logarithmic Functions

12.0 Earthshaking Logs

12.1 Exponential Functions

The Exponential Function

12.2 Logs and Their Properties

The Logarithmic Function

Logarithmic Properties

12.3 Applications of Logs

Natural and Common Logs

Solving Equations

13. More Nonlinear Equations and Inequalities

13.0 The Learinnon Experiment

13.1 Nonlinear Equations

Solving Equations

Radical Equations

13.2 Nonlinear Systems

Solving Systems

13.3 Inequalities

Quadratic Inequalities

Rational Inequalities

14. Nonlinear Functions & Theory of Equations

14.0 We're Talkin' Algebra Part 1

14.1 Nonlinear Functions

Polynomial Functions

Rational Functions

14.2 Theory of Equations

Polynomial Division

The Factor Theorem

Zeros of Polynomials

15. Conic Sections

15.0 We're Talkin' Algebra Part 2

15.1 Graphs of Conic Sections

Circles & Parabolas

Ellipses

Hyperbolas

16. Matrices and Determinants

16.0 We're Talkin' Algebra Part 3

16.2 Matrices

The Algebra of Matrices

The Gauss-Jordan Method

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- 17. Induction, Sequences, and Counting
 - 17.0 We're Talkin' Algebra Part 4
 - 17.1 Sequences and Series
 - Arithmetic
 - Geometric
 - 17.2 Induction; Binomial Thm.
 - Mathematical Induction
 - Binomial Theorem
 - 17.3 Counting and Probability
 - Methods of Counting
 - Probability