

**SINCLAIR COMMUNITY COLLEGE  
DAYTON, OHIO**

**MATERIALS AVAILABLE FOR  
MATH 116 (Graphing Calculator) - COLLEGE ALGEBRA  
SEPTEMBER 9, 2009**

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**R. Review Sections R.1 - R.7 (Optional)**

116 Graphing CD Lectures R.1 – R.7  
116 (traditional) CD Lectures, Disk 1 P.1-P.6  
V-116 Tape 1 All Sections  
116 Mathspace, Chapter P, P.1-P.6  
116 Computer Tutor Review (choose the topics you need)

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**I. Graphs, Functions, and Models**

**1. Introduction to Graphing**

116 Graphing CD Lectures 1.1  
116 Graphing Interact 1.1  
116 (traditional) CD Lectures Disk 2, 2.1  
Mosely Trig DVD #1, P.3, "Cartesian Plane and Graphs of Equations"  
116 Mathspace Chapter 2, 2.1  
College Algebra Interactive Exercises 1.1  
218 Video Examples 1.3  
V-116 Tape 2 Sec 1.1 "Introduction to Graphing"  
V-Grapher 1, 2, 3, 4, 5, and 8 ("how-to" on the calculator)  
TV Sinclair 102 Tape 16  
VKB Tape 25 Part 1 "The Distance Formula and Midpoints"  
116 Nongraphing Computer Tutor 2.1  
Boxer Intermediate Algebra Lesson 4 Sections 3,4 (CD)  
*WORKSHEET "Completing the Square"*

**I. 2. Functions and Graphs**

116 Graphing Interact 1.2  
116 Graphing CD Lectures 1.2  
116 (traditional) CD Lectures Disk 3, 2.2  
Mosely Trig DVD #2, P.5, "Functions"  
116 Mathspace Chapter 2, 2.2  
College Algebra Interactive Exercises 1.1  
V-116 Tape 2 Sec 1.2 "Functions and Graphs"  
V-Grapher 6 and 7  
EV 4015 "Functions"  
116 Computer Tutor Review 11.3  
Trigonometry Interactive Exercises 1.1  
TV Sinclair 102 Tape 5  
101-102 InterAct Chptr 7.3 (functions)  
101 & 102 CD Lectures 7.3 (functions)  
V-BEJ Tape 7.4  
VCOMAP Tape 22 Part A "Functions"  
Computer-Video Lesson 18 "Functions" (parts 1 and 2 only!) (video)  
Boxer Intermediate Algebra Lesson 3 Sections 2-7 (CD)  
Lesson 9 Sections 1-4

**3. Linear Functions, Slope, and Applications**

116 Graphing Interact 1.3  
116 Graphing CD Lectures 1.3  
116 (traditional) CD Lectures Disk 3, 2.3  
Mosely Trig DVD #1, P.4, "Linear Equations in Two Variables"  
116 Mathspace Chapter 2, 2.3  
College Algebra Interactive Exercises 1.2  
V-116 Tape 2 Sec 1.3 "Linear Functions, Slope, and Applications"  
V-Grapher Tape 6 and 7  
116 Nongraphing Computer Tutor 2.3  
116 Computer Tutor Review 11.1  
EV 4014  
VKB Tape 6  
101-102 InterAct Chptr 7.1 and 7.2  
101 & 102 CD Lectures 7.1 and 7.2  
V-BEJ 7.1-7.3  
EV 6004 "Formulas for Lines"  
VCOMAP Tape 20 Part B "Linear Relations"

**I. 4. Equations of Lines and Modeling (omit curve fitting)**

116 Graphing Interact 1.4  
116 Graphing CD Lectures 1.4  
116 (traditional) CD Lectures Disk 3, 2.3  
Mosely Trig DVD #1, P.4, "Linear Equations in Two Variables"  
116 Mathspace Chapter 2, 2.3  
V-116 Tape 2 Sec 1.4 "Equations of Lines and Modeling"  
218 Video Examples 1.4  
V-Grapher Tape 6 and 7  
116 Nongraphing Computer Tutor 2.3  
116 Computer Tutor Review 11.1  
EV 4014  
VKB Tape 6  
101-102 InterAct Chptr 7.1 and 7.2  
101 & 102 CD Lectures 7.1 and 7.2  
V-BEJ 7.1-7.3  
EV 6004 "Formulas for Lines"  
VCOMAP Tape 20 Part B "Linear Relations"

**II. More on Functions**

**1. Increasing, Decreasing, and Piecewise Functions; Applications**

116 Graphing Interact 2.1  
116 Graphing CD Lectures 2.1  
116 (traditional) CD Lectures Disk 3, 2.2  
Mosely Trig DVD #2, P.5, "Functions"  
116 Mathspace Chapter 2, 2.2  
College Algebra Interactive Exercises 1.4  
EV 4016 "Graph Sketching"  
V-116 Tape 2 Sec 1.5 "More on Functions"  
V-Grapher 6 and 7  
116 Nongraphing Computer Tutor 2.2  
VHM Tape 1 "Graphing Functions"

**2. The Algebra of Functions**

116 Graphing Interact 2.2  
116 Graphing CD Lectures 2.2  
116 (traditional) CD Lectures Disk 3, 2.6  
116 Mathspace Chapter 2, 2.6  
EV 4018 "Algebra of Functions"  
116 Nongraphing Computer Tutor 2.6  
116 Computer Tutor Review 11.4, 11.5  
Boxer Intermediate Algebra Lesson 9 Sections 5, 6, 7, 8 (CD)  
V-Grapher Tape 10

## **II. 3. The Composition of Functions**

116 Graphing Interact 2.3  
116 Graphing CD Lectures 2.3  
116 (traditional) CD Lectures Disk 3, 2.6  
Mosely Trig DVD #2, P.9, "Composite Functions"  
VCOMAP Tape 22 Part B "Composite and Inverse Functions"

## **4. Symmetry and Transformations**

116 Graphing Interact 2.4  
116 Graphing CD Lectures 2.4  
116 (traditional) CD Lectures Disk 3, 2.5  
Mosely Trig DVD #1, P.8, "Transformations of Functions"  
116 Mathspace Chapter 2, 2.5  
College Algebra Interactive Exercises Chptr 1 Sec 5  
EV 4017 "Shifting and Reflecting Graphs"  
EV 4016 "Graph Sketching"  
116 Nongraphing Computer Tutor 2.5  
VHM Tape 1 "Graphing Functions" (review)  
V-116 Tape 3 Sec 1.7 "Symmetry and Transformations"  
Boxer Intermediate Algebra Lesson 9 Sections 9 and 10 (CD)  
*WORKSHEET "Translations of Graphs"*

## **5. Variation and Applications**

116 Graphing CD lectures 2.5  
116 Graphing Interact 2.5  
116 (traditional) CD Lectures, Disk 2, 1.6  
116 Mathspace, Chapter 1, 1.6  
V-116 Tape 5 Sec 3.7 "Variation and Applications"  
College Algebra Interactive Exercises 1.6  
116 Nongraphing Computer Tutor 1.6  
Computer-Video Lesson 17 (Parts 3 and 4 only!) (video)  
116 Computer Tutor Review 8.7  
101-102 InterAct Chptr 7.4  
101 & 102 CD Lectures 7.4  
V-BEJ Tape 7.6  
VCOMAP Tape 23 Part 1 "Variation"  
VKB Tape 23 Part 3 "Mixed Variation"  
Boxer Intermediate Algebra Lesson 10 Section. 8 (inverse variation) (CD)

### **III. Quadratic Functions and Equations; Inequalities**

#### **2. Quadratic Equations, Functions, Zeros, and Models**

116 Graphing Interact 3.2  
116 Graphing CD Lectures 3.2  
116 (traditional) CD Lectures Disk 3, 2.4  
Mosely Trig DVD #1, P.7, "A Library of Functions"  
116 Mathspace Chapter 2, 2.4  
V-116 Tape 3 Sec 2.3 "Quadratic Equations, Functions, and Models"  
College Algebra Interactive Exercises 2.3  
EV 3025 "Completing the Square"  
116 Computer Tutor Review 10.2, 10.3, 10.4, 10.5, 11.2  
116 Nongraphing Computer Tutor 1.3, 1.4, and 2.4  
TV Sinclair 102 Tapes 12, 13, 14  
VKB Tapes 22, 23, and 24  
V-BEJ Tape 11.2, 11.3, (11.6 quadratic in form)  
101-102 InterAct Chptr 11.3 - 11.8  
101 & 102 CD Lectures 11.3 - 11.8  
Boxer Intermediate Algebra Lesson 7 Sections 10, 11 (CD)  
VCOMAP 19 Part 1 "Quadratic Equations"  
EV 3027 "Applications That Lead to Quadratic Equations"  
EV 4020 "Quadratic Functions"

#### **3. Analyzing Graphs of Quadratic Functions**

116 Graphing Interact 3.3  
116 Graphing CD Lectures 3.3  
116 (traditional) CD Lectures Disk 3, 2.4  
Mosely Trig DVD #1, P.7, "A Library of Functions"  
116 Mathspace Chapter 2, 2.4  
V-116 Tape 3 Sec 2.4 "Analyzing Graphs of Quadratic Functions"  
College Algebra Interactive Exercises 2.4  
EV 4020 "Quadratic Functions"  
116 Nongraphing Computer Tutor 2.4  
116 Computer Tutor Review 11.2  
TV Sinclair 102 Tape 14 (Tape 15 for word problems)  
V-Grapher Tape 9  
VKB Tape 24 "Quadratic Functions – Graphs and Applications"  
101-102 InterAct Chptr 11.7  
101 & 102 CD Lectures 11.7  
V-BEJ Tape 11.7-11.9

## **IV. Polynomial and Rational Functions**

### **1. Polynomial Functions and Modeling (omit curve fitting)**

116 Graphing CD Lectures 4.1  
116 Graphing Interact 4.1  
116 (traditional) CD Lectures Disk 4, 3.2  
116 Mathspace Chapter 3, 3.2  
V-116 Tape 4 Sec 3.1 “Polynomial Functions and Modeling”  
College Algebra Interactive Exercises 3.1  
EV 4021 “Polynomial Functions”  
116 Nongraphing Computer Tutor 3.2  
V-Grapher Tape 9

### **2. Graphing Polynomial Functions**

116 Graphing CD Lectures 4.2  
116 Graphing Interact 4.2  
116 (traditional) CD Lectures Disk 4, 3.2  
116 Mathspace Chapter 3, 3.2  
College Algebra Interactive Exercises 3.1  
EV 4021 “Polynomial Functions”  
116 Nongraphing Computer Tutor 3.2  
V-Grapher Tape 9

### **3. Polynomial Division; The Remainder and Factor Theorems**

116 Graphing CD Lectures 4.3  
116 Graphing Interact 4.3  
116 (traditional) CD Lectures Disk 4, 3.1  
116 Mathspace Chapter 3, 3.1  
V-116 Tape 4 Sec 3.3 “Polynomial Division”  
College Algebra Interactive Exercises 3.2  
VHM Tape 3 “Synthetic Division, Remainder Theorem, and Factor Thm”  
116 Nongraphing Computer Tutor 3.1  
V-BEJ Tape 4.7-4.8 (synthetic division)  
VKB Tape 17 “Division of Polynomials - Synthetic Division”

#### **IV. 4. Theorems about Zeroes of Polynomial Functions**

116 Graphing CD Lectures 4.4  
116 Graphing Interact 4.4  
116 (traditional) CD Lectures Disk 4, 3.3  
116 Mathspace Chapter 3, 3.3  
V-116 Tape 5 Sec 3.4 “Theorems about Zeros”  
College Algebra Interactive Exercises 3.3  
EV 4023  
116 Nongraphing Computer Tutor 3.3  
VHM Tape 4 “Zeros of a Polynomial”  
*HANDOUT "Finding Zeros of Polynomials"*

#### **5. Rational Functions**

116 Graphing CD Lectures 4.5  
116 Graphing Interact 4.5  
116 (traditional) CD Lectures, Disk 4, 3.5  
116 Mathspace, Chapter 3, 3.5  
College Algebra Interactive Exercises 3.4  
V-116 Tape 5 Sec 3.5 “Rational Functions”  
EV 4024 “Vertical and Horizontal Asymptotes”  
EV 4025 “Graphing Rational Functions”  
116 Nongraphing Computer Tutor 3.5  
VHM Tape 5 “Graphing Rational Functions”  
VCOMAP Tape 24 Part A “Rational Functions”  
*WORKSHEET "Asymptotes"*

#### **V. Exponential and Logarithmic Functions**

##### **1. Inverse Functions**

116 Graphing CD Lectures 5.1  
116 Graphing Interact 5.1  
116 (traditional) CD Lectures, Disk 5, 4.1  
Mosely Trig DVD #2, P.10, "Inverse Functions"  
116 Mathspace, Chapter 4, 4.1  
College Algebra Interactive Exercises 4.1  
V-116 Tape 6 Sec 4.1 “Inverse Functions”  
EV 4019 “Inverse Functions”  
116 Nongraphing Computer Tutor 4.1  
VHM Tape 2 “Inverse Functions”  
116 Computer Tutor Review 11.5  
Boxer Intermediate Algebra Lesson 9 Sections 5, 6, 7,8 (CD)  
V-Grapher Tape 10  
VCOMAP Tape 22 Part B “Composite and Inverse Functions”

## V. 2. Exponential Functions and Graphs

116 Graphing CD Lectures 5.2  
116 Graphing Interact 5.2  
116 (traditional) CD Lectures, Disk 5, 4.2  
Mosely Trig DVD #5, 5.1, "Exponential Functions and Their Graphs"  
116 Mathspace, Chapter 4, 4.2  
College Algebra Interactive Exercises 4.2  
EV 4026 "Exponential Functions and their Graphs"  
V-116 Tape 6 Sec 4.2 "Exponential Functions and Graphs"  
Trigonometry Interactive Exercises 9.1  
116 Nongraphing Computer Tutor 4.2  
VKB Tape 28 Part 1  
116 Computer Tutor Review 12.1  
Boxer Intermediate Algebra Lesson 12 Sections 2,4 (CD)  
V-Grapher Tape 10  
101-102 InterAct Chptr 12.2  
101 & 102 CD Lectures 12.2  
V-BEJ Tape 12.1  
VCOMAP Tape 24 Part B "Exponential Functions"  
*WORKSHEET "Exponentials and Logarithms"*  
*WORKSHEET "Graphing Exponential and Logarithmic Functions"*

## 3. Logarithmic Functions and Graphs

116 Graphing CD Lectures 5.3  
116 Graphing Interact 5.3  
116 (traditional) CD Lectures, Disk 5, 4.3  
Mosely Trig DVD #5, 5.2, "Logarithmic Functions and Their Graphs"  
116 Mathspace, Chapter 4, 4.3  
College Algebra Interactive Exercises Chptr 4 Sec 3  
EV 4028 "Logarithmic Functions and Their Graphs"  
V-116 Tape 6 Sec 4.3 "Logarithmic Functions and Graphs"  
Trigonometry Interactive Exercises 9.2  
116 Nongraphing Computer Tutor 4.3  
VKB Tape 28 Part 2  
116 Computer Tutor Review 12.3  
Boxer Intermediate Algebra Lesson 12 Sections 5,6 (CD)  
V-Grapher Tape 10  
101-102 InterAct Chptr 12.3  
101 & 102 CD Lectures 12.3  
V-BEJ Tape 12.3  
VCOMAP Tape 25 Part A "Logarithmic Functions"  
*WORKSHEET "Exponentials and Logarithms"*  
*WORKSHEET "Graphing Exponential and Logarithmic Functions"*

**V. 4. Properties of Logarithmic Functions**

116 Graphing CD Lectures 5.4  
116 Graphing Interact 5.4  
116 (traditional) CD Lectures, Disk 5, 4.4  
Mosely Trig DVD #6, 5.3, "Properties of Logarithms"  
116 Mathspace, Chapter 4, 4.4  
College Algebra Interactive Exercises Chptr 4 Sec 4  
EV 4027 "Properties of Logarithms"  
V-116 Tape 6 Sec 4.4 "Properties of Logarithmic Functions"  
Trigonometry Interactive Exercises 9.2  
VKB Tape 29 Part 1  
116 Nongraphing Computer Tutor 4.4  
116 Computer Tutor Review 12.2  
Boxer Intermediate Algebra Lesson 12 Section 7 (CD)  
101-102 InterAct Chptr 12.4  
101 & 102 CD Lectures 12.4  
V-BEJ Tape 12.4  
*WORKSHEET "Exponentials and Logarithms"*

**5. Solving Exponential and Logarithmic Equations**

116 Graphing CD Lectures 5.5  
116 Graphing Interact 5.5  
116 (traditional) CD Lectures, Disk 5, 4.5  
Mosely Trig DVD #6, 5.4, "Exponential and Logarithmic Equations"  
116 Mathspace, Chapter 4, 4.5  
College Algebra Interactive Exercises Chptr 4 Sec 5  
V-116 Tape 6 Sec 4.5 "Solving Exp. and Log. Equations"  
Trigonometry Interactive Exercises 9.1 and 9.2  
VHM Tape 6 "Logarithmic Expressions and Equations"  
116 Nongraphing Computer Tutor 4.5  
116 Computer Tutor Review 12.4  
Boxer Intermediate Algebra Lesson 12 Sections 8,9 (CD)  
V-Grapher Tape 11  
VKB Tape 29 Part 3  
101-102 InterAct Chptr 12.6  
101 & 102 CD Lectures 12.6  
V-BEJ Tape 12.6  
*WORKSHEET "Exponentials and Logarithms"*

**V. 6. Applications and Models: Growth and Decay, Compound Interest  
(omit curve fitting)**

116 Graphing CD Lectures 5.6  
116 Graphing Interact 5.6  
116 (traditional) CD Lectures, Disk 5, 4.6-4.7  
Mosely Trig DVD #6, 5.5, "Exponential and Logarithmic Models"  
116 Mathspace, Chapter 4, 4.6-4.7  
College Algebra Interactive Exercises 4.6  
V-116 Tape 6 Sec 4.6 "Growth and Decay"  
Trigonometry Interactive Exercises 9.1  
116 Nongraphing Computer Tutor 4.6  
116 Computer Tutor Review 12.5  
V-Grapher Tape 11  
VKB Tape 29 Part 4  
101-102 InterAct Chptr 12.6  
101 & 102 CD Lectures 12.6  
V-BEJ Tape 12.7  
Boxer Intermediate Algebra Lesson 12 Section 3 (CD)  
VCOMAP Tape 24 Part B "Exponential Functions"  
VCOMAP Tape 25 Part A "Logarithmic Functions"

**VI. Systems of Equations and Matrices**

**1. Systems of Equations in Two Variables**

116 Graphing CD Lectures 6.1  
116 Graphing Interact 6.1  
116 (traditional) CD Lectures, Disk 6, 6.1  
116 Mathspace, Chapter 6, 6.1  
College Algebra Interactive Exercises 5.1  
V-116 Tape 7 Sec 5.1 "Systems of Equations in 2 Variables"  
EV 2014  
116 Nongraphing Computer Tutor 6.1  
116 Computer Tutor Review 5.1-5.3  
TV Sinclair 102 Tape 5  
V-Grapher Tape 12  
101-102 InterAct Chptr 8.1 – 8.3  
101 & 102 CD Lectures 8.1 – 8.3  
V-BEJ Tape 8.1-8.3  
VKB Tape 7 "Substitution and Elimination"  
VKB Tape 8 "Dependent Systems"  
VCOMAP Tape 25 Part B "Systems of Equations"  
*WORKSHEET "Consistency and Dependency"*

**VI. 3. Matrices and Systems of Equations**

116 Graphing CD Lectures 6.3  
116 Graphing Interact 6.3  
116 (traditional) CD Lectures, Disk 7, 7.1  
116 Mathspace, Chapter 7, 7.1  
College Algebra Interactive Exercises 5.3  
V-116 Tape 7 Sec 5.3 “Matrices and Systems of Equations”  
116 Nongraphing Computer Tutor 7.1  
VHM Tape 19 “Solving Systems By Gauss-Jordan Elimination Method”  
V-Grapher Tape 12  
101-102 InterAct Chptr 8.6  
101 & 102 CD Lectures 8.6  
V-BEJ Tape 8.6-8.7

**4. Matrix Operations**

116 Graphing CD Lectures 6.4  
116 Graphing Interact 6.4  
116 (traditional) CD Lectures, Disk 7, 7.2  
116 Mathspace, Chapter 7, 7.2  
College Algebra Interactive Exercises 5.4  
V-116 Tape 7 Sec 5.4 “Matrix Operations”  
116 Nongraphing Computer Tutor 7.2  
VHM Tape 20 “Adding, Subtracting, and Multiplying Matrices”  
V-Grapher Tape 13

**5. Inverses of Matrices**

116 Graphing CD lectures 6.5  
116 Graphing Interact 6.5  
116 (traditional) CD Lectures, Disk 7, 7.3  
116 Mathspace, Chapter 7, 7.3  
College Algebra Interactive Exercises 5.5  
V-116 Tape 7 Sec 5.5 “Inverses of Matrices”  
116 Nongraphing Computer Tutor 7.3  
VHM Tape 21 “Finding the Inverse of a Matrix”  
V-Grapher Tape 13

## **VI. 6. Determinants and Cramer's Rule (determinants only)**

116 Graphing CD lectures 6.6  
116 Graphing Interact 6.6  
116 (traditional) CD Lectures, Disk 7, 7.4 (expansion)  
Disk 8, 7.5 (Cramer's Rule)  
116 Mathspace, Chapter 7, 7.4-7.5  
V-BEJ Tape 8.7  
VHM Tape 22 "Determinants"  
116 Nongraphing Computer Tutor 7.4 and 7.5  
116 Computer Tutor Review 5.4

## **VII. Conic Sections**

### **1. The Parabola**

116 Graphing CD Lectures 7.1  
116 Graphing Interact 7.1  
116 (traditional) CD Lectures, Disk 6, 5.1  
Mosely Trig DVD #6, 6.2, "Parabolas"  
116 Mathspace, Chapter 5, 5.1  
College Algebra Interactive Exercises 6.1  
116 Nongraphing Computer Tutor 5.1  
Chalkdust Video 2 Section 2 "Parabolas"  
VHM Tape 15 "The Parabola and Its Graph"  
V-116 Tape 8 Sec 6.1 "The Parabola"  
V-Grapher Tape 14  
V-BEJ Tape 13.2  
VCOMAP Tape 21 Part A "Circle and Parabola"  
EV 4020 "Quadratic Functions"  
*WORKSHEET "Conic Sections"*  
*WORKSHEET "Completing the Square"*

### **2. The Circle and the Ellipse**

116 Graphing CD Lectures 7.2  
116 Graphing Interact 7.2  
116 (traditional) CD Lectures, Disk 6, 5.2 (ellipse)  
Mosely Trig DVD #6, 6.3, "Ellipses"  
116 Mathspace, Chapter 5, 5.2 (ellipse)  
College Algebra Interactive Exercises 6.2  
116 Nongraphing Computer Tutor 5.2  
Chalkdust Video 2 Section 3 "Ellipses"  
VHM Tape 16 "The Ellipse and Its Graph"  
101-102 InterAct Chptr 13.2  
101 & 102 CD Lectures 13.2 (more →)

V-116 Tape 8 Sec 6.2 “The Circle and the Ellipse”  
V-Grapher Tape 15  
VCOMAP Tape 21 Part A “Circle and Parabola”  
VCOMAP Tape 21 Part B “Ellipse and Hyperbola”  
V-BEJ Tape 13.3  
*WORKSHEET “Conic Sections”*  
*WORKSHEET “Completing the Square”*

### **3. The Hyperbola**

116 Graphing CD lectures 7.3  
116 Graphing Interact 7.3  
116 (traditional) CD Lectures, Disk 6, 5.3  
Mosely Trig DVD #6, 6.4, "Hyperbolas"  
116 Mathspace, Chapter 5, 5.3  
College Algebra Interactive Exercises 6.3  
116 Nongraphing Computer Tutor 5.3  
Chalkdust Video 2 Section 4 “Hyperbolas”  
VHM Tape 17 “The Hyperbola and Its Graph”  
V-116 Tape 8 Sec 6.3 “The Hyperbola”  
V-Grapher Tape 15  
101-102 InterAct Chptr 13.3  
101 & 102 CD Lectures 13.3  
V-BEJ Tape 13.3  
VCOMAP Tape 21 Part B “Ellipse and Hyperbola”  
*WORKSHEET “Conic Sections”*  
*WORKSHEET “Completing the Square”*

### **4. Nonlinear Systems of Equations and Inequalities**

116 Graphing CD Lectures 7.4  
116 Graphing Interact 7.4  
116 (traditional) CD Lectures, Disk 6, 6.3  
116 Mathspace, Chapter 6, 6.3  
College Algebra Interactive Exercises 6.4  
V-116 Tape 8 Sec 6.4 “Nonlinear Systems”  
EV 4029 “Systems of Nonlinear Equations”  
116 Nongraphing Computer Tutor 6.3  
Boxer Intermediate Algebra Leson 8 Section 8 (CD)  
VKB Tape 27 Part 1 “Systems of Second Degree Equations”  
101-102 InterAct Chptr 13.4  
101 & 102 CD Lectures 13.4  
V-BEJ Tape 13.4

## **VIII. Sequences, Series, and Combinatorics**

### **1. Sequences and Series**

116 Graphing CD Lectures 8.1  
116 Graphing Interact 8.1  
116 (traditional) CD Lectures, Disk 8, 8.1  
116 Mathspace, Chapter 8, 8.1  
116 Nongraphing Computer Tutor 8.1  
College Algebra Interactive Exercises 7.1  
VAW-22 Part 1  
V-116 Tape 9 Sec 7.1 “Sequences and Series”  
101-102 InterAct Chptr 14.1  
101 & 102 CD Lectures 14.1  
V-BEJ Tape 14.1