Math 116 - Videotapes

There are videotapes for Math 116, College Algebra, on reserve in the Kitty Lindsay Learning Resources Center (LRC). These videos are from the 1st edition of the Larson and Hostetler Graphing Calculator textbook, however, and do not exactly match the current 2nd edition text.

Use the table to match the section from the textbook with the videotape on reserve. Sections without a tape number are not covered in the videotape series.

Book Sect.	Tape #	Section Title
P.1	1	The Real Number System
P.2	1	Properties of Real Numbers and the Basic Rules of Algebra
P.3	1	Radicals and Rational Exponents
P.4	2	Polynomials and Special Products
P.5	2	Factoring
P.6	2	Fractional Expressions
P.7	2	The Cartesian Plane
1.1	3	Graphs and Graphing Utilities
1.2	3	Lines in the Plane
1.3	3	Functions
1.4	4	Graphs of Functions
1.5	4	Shifting, Reflecting, and Stretching Graphs
1.6	4	Combinations of Functions
1.7	4	Inverse Functions
2.1	5	Linear Equations and Modeling
2.2	5	Solving Equations Graphically
2.3	8	Complex Numbers
2.4	5	Solving Equations Algebraically
2.5	6	Solving Inequalities Algebraically and Graphically
2.6	6	Exploring Data: Linear Models and Scatter Plots
3.1	7	Quadratic Functions
3.2	7	Polynomial Functions of Higher Degree
3.3	8	Real Zeros of Polynomial Functions
3.4	8	The Fundamental Theorem of Algebra
3.5	9	Rational Functions and Asymptotes
3.6	9	Graphs of Rational Functions

4.1	11	Exponential Functions and Their Graphs
4.2	11	Logarithmic Functions and Their Graphs
4.3	12	Properties of Logarithms
4.4	12	Solving Exponential and Logarithmic Equations
4.5	12	Exponential and Logarithmic Models
4.6	- -	Exploring Data: Nonlinear Models
5.1	13	Solving Systems of Equations
5.2	13	Systems of Linear Equations in Two Variables
5.3	13	Multivariable Linear Systems
5.4	9	Partial Fractions
5.5	14	Systems of Inequalities
5.6	- -	Linear Programming
6.1	14	Matrices and Systems of Equations
6.2	14	Matrix Operations
6.3	14	The Inverse of a Square Matrix
6.4	- -	The Determinant of a Square Matrix
6.5	- -	Applications of Determinants and Matrices
7.1	15	Sequences and Summation Notation
7.2	15	Arithmetic Sequences
7.3	15	Geometric Sequences
7.4	16	Mathematical Induction
7.5	16	The Binomial Theorem
7.6	16	Counting Principles
7.7	16	Probability
8.1	10	Conics
8.2	10	Translations of Conics
8.3	- -	Parametric Equations