Advanced Algebra II ~ 2nd Semester Topics

Chapter-Section	Topic	Example
p. 360	Exponent Properties	
T983	Pythagorean Theorem	
13-2	Special Right Triangles	
14-3	Trigonometry – Solving Right Triangles	
11-1	Counting Principal	
11-1	Permutations	
11-1	Combinations	
11-3	Probability of Multiple Events	
6-1	Roots and Radical Expressions	$\sqrt[4]{2401x^{12}}$ $7\|x^3\|$
6-2	Multiplying and Dividing Radical Expressions	
6-3	Binomial Radical Expressions	$(1-\sqrt{7})(1+\sqrt{7})$ -6
6-4	Rational Exponents	
6-5	Solving Radical Equations	
6-6	Function Operations	Composite Functions
6-7	Inverse Relations and Functions	
6-8	Graphing Radical Functions	
7-1	Exploring Exponential Models	
7-2	Euler's Number	
7-3	Logarithmic Functions as Inverses	Graphing

7-4	Properties of Logarithms	
7-5	Exponential and Logarithmic Equations	
7-6	Natural Logarithms	
8-1	Inverse Variation	
8-2	Graphing Rational Functions in Standard Form	
8-3	Rational Functions and Their Graphs	
8-4	Rational Expressions	Simplifying / ×/ ÷
8-5	Adding and Subtracting Rational Expressions	
8-6	Solving Rational Equations	
10-1	Exploring Conic Sections	
10-2	Parabolas	
10-3	Circles	