Algebra 2 Semester 2 Final

The Semester 2 Final will be a 58 question multiple choice comprehensive exam covering Chapters 7, 8, 10, 11, 13 and the topics:

Chapter 7: 7.1 – 7.6

* Graph Exponential Functions
* Graph Logarithmic Functions
* Evaluate Logarithms
* Expand and Condense Logarithmic Expressions
* Solve Exponential Equations
* Solve Logarithmic Equations

Chapter 8: 8.2, 8.4 – 8.6

* Graph Rational Functions
* Multiply, Divide, Add, and Subtract Rational Expressions
* Solve Rational Equations

Chapter 10: 10.1 – 10.5

* Determine the Number of Ways and Event Can Happen
* Probability
  + Basic, Independent, Dependent, Conditional, P(A or B)
* Binomial Expansion
* Find a Specific Term in a Binomial Expansion

Chapter 11: 11.1 – 11.4

* Mean, Median, Mode, Range, Standard Deviation, Outliers
* Transformations of Data
* Normal Distribution and Margin of Error
* Empirical Rule: 68%, 95%, 99.7%
* Sampling Methods

Chapter 13: 13.1 – 13.3

* Solving Right Triangles
* Radians and Degrees
* Trig Functions when given a point on the terminal side
* Trig Functions of unit circle values