

Honors Precalculus

Unit 1: Algebra Review

Unit 2: Introduction to Trigonometry—Degrees and radians, unit circle, right triangle trig, and inverse trig functions.

Unit 3: Graphing Trig Function—graphing Sine, Cosine and Tangent functions

Unit 4: Analytic Trigonometry—verifying trig identities, solving trig equations and using trig formulas (sum and diff, multiple angle, product to sum, law of sine and law of cosine)

Unit 5: Conic Sections—analyzing and graphing Circles, parabolas, ellipses and hyperbolas

Unit 6: Polynomial Functions—solving and graphing polynomial functions

Unit 7: Rational Functions and Equations—solving and graphing rational functions

Unit 8: Logarithms and Exponential Expressions and Equations—solving and graphing log and exponential equations.