

	Graphing	Interpreting Graphs	Manipulating Equations and Expressions	Solving/Evaluating
Matrices (Optional)			M.0 I can write the partial fraction decomposition of a rational expression.	S.0 I can create and solve a system of equations.
Conic Sections	G.1 I can graph a parabola, ellipse, hyperbola and circle.	I.1 I can determine the characteristics and equation of a conic given the graph.	M.1 I can write the standard form of a conic section.	
Sequences & Series			M.2 I can convert between explicit and recursive form.	S.1 I can evaluate series in sigma notation.
			M.3 I can generate arithmetic and geometric sequences and series.	S.2 I can solve for unknown quantities for sequences and series.
Functions	G.2 I can graph functions and their transformations (power, polynomial, rational, exponential, logarithmic, trig, inverse trig).	I.2 **I can find characteristics (Ex: end behavior, extrema, intercepts, discontinuity, domain, range, etc.). I.3 I can find function values from a graph.	M.4 I can find combinations and compositions.	S.3 I can evaluate functions including inverse functions.
			M.5 I can find an inverse function.	
Polynomials, Power and Rational	G.2 I can graph functions and their transformations (power, polynomial, rational, exponential, logarithmic, trig, inverse trig).		M.6 I can use long or synthetic division to analyze a rational function (partial fractions).	S.4 I can solve an equation (power, rational, exponential, logarithmic, trig).
				S.5 I can solve rational or polynomial inequalities.
Exponentials & Logarithms	G.2 I can graph functions and their transformations (power, polynomial, rational, exponential, logarithmic, trig, inverse trig).		M.7 I can apply the definition and properties of logarithms.	S.4 I can solve an equation (power, rational, exponential, logarithmic, trig).
Trigonometric Functions	G.2 I can graph functions and their transformations (power, polynomial, rational, exponential, logarithmic, trig, inverse trig).	I.4 I can determine characteristics and equation of a trig function given a graph.	M.8 I can apply trig identities to simplify and rewrite trig expressions.	S.6 I can apply the unit circle.
			M.9 I can convert into another form (rectangular, parametric, polar, complex, radian, degree).	S.3 I can evaluate functions including inverse functions. S.7 I can find missing sides or angles of a triangle.
Vectors	G.4 I can draw a vector diagram.			S.8 I can perform vector operations and solve vector problems.
				S.7 I can find missing sides or angles of a triangle.
Parametric Equations	G.5 I can graph parametric equations.		M.9 I can convert into another form (rectangular, parametric, polar, complex, radian, degree).	
Polar	G.6 I can graph polar equations.		M.9 I can convert into another form (rectangular, parametric, polar, complex).	
** This standard is applied to many other sections as well, including: conics, polynomials, exponentials, logarithms, trig functions, parametric, and polar equations.				

