Unit 1 - Linear Functions	Unit 2 - Polynomial Functions	Unit 3 - Rational Functions	Unit 4 - Radical Functions	Unit 5 - Exponential Functions	Unit 6 - Capstone	Supporting	Major	Competencies
S	S	S	S	S	M	5	1	CA-A1-A. Understand the concept of a function and use function notation.
S	S	S	S	S	M	5	1	CA-A1-B. Interpret the dependent and independent variables in the context of functions.
S	S	S	S	S	M	5	1	CA-A1-C. Create and interpret expressions for functions in terms of the situations they model including selecting appropriate domains for these functions.
S	S	S	S	S	M	5	1	CA-A1.D. Understand the relationship between a function and its graph.
S	S	S	S	S	M	5	1	CA-A1-E. Find the domain, including implied domains, and the range of a function.
S	S	S	S	S	M	5	1	CA-A1-F. Analyze functions using different representations (verbal, graphic, numeric, algebraic).
M						0	1	CA-A2-LF-A. Identify dependent and independent variables in linear relationships and use this knowledge to model authentic situations.
M						0	1	CA-A2-LF-B. Understand the relationship between lines and their equations including slope.
M						0	1	CA-A2-LF-C. Graph a line using slope-intercept form of the linear equation.
M						0	1	CA-A2-LF-D. Determine the equation of a line from its graph and from the point-slope formula.
M						0	1	CA-A2-LF-E. Use graphs of lines to identify solutions to linear equations.

M						0	1	CA-A2-LF-F. Solve linear inequalities, expressing the solutions sets using interval notation and graphing solution sets on number lines, and interpret their solutions in context.
S						1	0	CA-A2-LF-G Use and understand the slope criteria for parallel and perpendicular lines.
	M					0	1	CA-A2-PF-H. Solve application problems and create models involving polynomial equations.
	S					1	0	CA-A2-PF-I. Factor quadratic polynomials over the rational numbers and identify prime/irreducible polynomials over the rational numbers.
	S					1	0	CA-A2-PF-J. Apply standard factoring techniques to polynomials.
	M					0	1	CA-A2-PF-K. Solve quadratic equations by factoring, completing the square, and the Quadratic Formula.
	M					0	1	CA-A2-PF-L. Graph quadratic functions and be able to determine the quadratic function from the graph.
	M					0	1	CA-A2-PF-M. Understand the relationship between zeros and factors of a polynomial of degree 2 and higher.
	S					1	0	CA-A2-PF-N. Solve polynomial equations and inequalities of degree 2 and higher.
		M				0	1	CA-A2-RTF-O. Solve applications and create models involving rational equations.
		S				1	0	CA-A2-RTF-P. Simplify rational expressions.
		M				0	1	CA-A2-RTF-Q. Solve rational equations.
		S				1	0	CA-A2-RTF-R. Solve rational inequalities algebraically.
			M			0	1	CA-A2-RDF-S. Solve applications and create models involving radical equations.

			S			1	0	CA-A2-RDF-T. Convert between radical and rational exponent notation.
			S			1	0	CA-A2-RDF-U. Simplify expressions involving radicals and rational exponents using appropriate exponent rules.
			M			0	1	CA-A2-RDF-V. Solve equations involving radical expressions.
				M		0	1	CA-A3-A. Solve simple applications and create simple models involving exponential equations.
				M		0	1	CA-A3-B. Distinguish exponential growth from linear and polynomial growth.
				M		0	1	CA-A3-C. Graph and recognize the graph of exponential functions of the form f(x) = C b^x .
				S		1	0	CA-A3-D. Solve simple exponential equations numerically.
				S		1	0	CA-A3-E. Solve simple exponential equations algebraically.*
M						0	1	CA-A4-A. Solve applications and create models involving 2 x 2 systems of linear equations using both graphical and algebraic methods.
S						1	0	CA-A4-B. Use linear inequalities and systems of linear inequalities in two unknowns to create models.
M						0	1	CA-A4-C. Graphically identify solutions sets to linear inequalities or systems of inequalities.
8	4	2	2	3	6	25	25	Major
8	**9**	**8**	**8**	**8**	**0**	**41**	41	**Supporting**