WV CSO Curriculum Planning Tool

Algebra II

Standard	Obj.#	Objective	Projected Date	Date Taught	Date Assessed	Date Re-Taught	Date Re-Assessed
Standard 2: Algebra	A2.2.1	write equations of lines given various information including parallel/perpendicular/vertical/horizontal lines					
	A2.2.2	factor higher order polynomials by applying various methods including factoring by grouping and the sum and difference of two cubes.					
	A2.2.3	define and use to develop the complex number system; simplify powers and products of it.					
	A2.2.4	perform basic operations with complex numbers and give answers in simplest form.					
	A2.2.5	simplify radicals and expressions involving fractional exponents and convert between the two forms.					
	A2.2.6	solve quadratic equations over the set of complex numbers: factoring and completing the square and the quadratic formula; use the discriminate to determine the nature of the roots; confirm the solutions numerically and graphically; and apply to practical problems					
	A2.2.7	define the components of a matrix: develop and use the appropriate field properties by adding, subtracting, and multiplying; solve a system of linear equations using matrices; and apply skills solving practical problems.					
	A2.2.8	solve equations containing radicals and exponents.					
	A2.2.9	define a function: find the domain, range, zeros; find the inverse of a function; find the value of a function for a given element in its domain; and perform basic operations on functions including composition of functions.					
	A2.2.10	explore basic families of functions: recognize linear, quadratic, absolute value, step, and exponential functions; and convert among graphs, tables and equations.					
	A2.2.11	solve quadratic inequalities and graph their solution sets.					
	A2.2.12	solve & graph solution set of systems of linear inequalities in two variables by finding maximum & minimum values of a function using linear program techniques					
	A2.2.13	solve practical problems involving direct, inverse, and joint variation.					
	A2.2.14	explore the conic sections; recognize, identify, and sketch the graphs of a parabola, circle, ellipse, and hyperbola; and convert between graphs and equations.					
	A2.2.15	solve absolute value equations and inequalities graphically, numerically, and algebraically.					
	A2.2.16	define a logarithmic function: transform equations from exponential form into logarithmic form; apply basic properties of logarithms to simplify/expand expression.					
	A2.2.17	perform a quadratic regression and use the results to predict specific values of a variable. Identify the regression equation.					

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