Expectations	Indicators	Essential <b>Questions</b>	Enduring Understandings
1.1 The student will represent functions and relations numerically, graphically, and algebraically  1.2 The student will describe and apply properties of functions and relations.	1.1.A2.1 write a polynomial function given its real zeroes or a graph with real zeroes.	How do polynomial functions model real-world problems and their solutions?	The characteristics of polynomial functions and their representations are useful in solving real-world problems.
	1.1.A2.2 write a polynomial function given its real or complex zeroes.		
	1.2.A2.2 describe and compare the characteristics of polynomial functions, given numerical graphical, and algebraic representations including domain and range, increasing, decreasing, continuous, maximum and minimum values, end behaviors, symmetry, zeroes and their multiplicity, and turning points.		
	1.2.A2.11 apply finite differences to find the degree of polynomial functions.	<b></b>	
	1.4.A2.1 solve polynomial equations using graphs, the factor theorem, rational root theorem, and the quadratic formula.	J////	1
1.4 The student will use numerical, algebraic, and graphical representations of functions and relations in order to solve real world problems.	1.4.A2.7 solve polynomial inequalities using the graph of the related polynomial function.	Why are complex numbers	The domain and range of polynomial functions can be extended to include
	1.4.A2.8 solve polynomials of degree 2 graphically  1.4.A2.9 solve polynomials of degree greater than 2 algebraically.	necessary?	
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	1.4.A2.11 interpret and solve problems involving polynomial functions.	How are	the set of complex numbers.
	1.4.A2.16 make predictions using quadratic, exponential, or logarithmic mathematical models given a set of data.	operations and properties of complex	
	1.4.A2.17 choose appropriate models, quadratic, exponential, or logarithmic, based on an analysis of the pattern of change in data.	numbers related to those of real	
4.1 The student will describe and represent numbers and their relationships.  4.2 The student will estimate and compute using mental strategies, paper and pencil, and	1.4.A2.18 apply the Fundamental Theorem of Algebra.	numbers?	
	4.1.A2.3 represent complex numbers numerically and graphically.	<u> </u>	
	4.1.A2.4 determine the magnitude of complex numbers.		
	4.1.A2.6 identify numbers as real or complex, and distinguish among rational, irrational, imaginary, and complex numbers.	]/	
technology.	4.2.A2.1 perform operations on complex numbers.	₫	