Period	Name	
Alg 2 Unit 3 STUDY GUIDE RUBRIC		OK by
Grade Each Topic out of 4		
4- MASTERY Includes All Vocab and Visuals addressed in the topic, An Example, An ORIGINAL example (solved), and a clear understanding of the main idea. It can teach someone else how to do it all		
3- PROFICIENCT Includes Most Vocab and Visuals for the topic, an example or an original example clearly and correctly solved. Expresses some understanding of the main idea		
2- BASIC- Includes vocab or visual. Includes example. Shows a basic understanding of the main idea of the topic		
1- BELOW BASIC- Work demonstrated but shows little clarity or understanding of the topic		
Act 14-1 14-2	What is a polynomial and what are the characteristics of polynomial graphs?	/4
Act 14-3	What defines an odd and even function and what do they look like?	/4
Act 15-1	How do you add and subtract polynomials?	/4
Act 15-2	How do you multiply polynomials?	/4
Act 15-3	How do you divide polynomials by long division? By synthetic division?	/4
Act 16-1	What is factorial? How are combinations calculated? How is Pascal's triangle defined	/4
Act 16-2	What is the binomial theorem and how does it apply to expanding powers of a binomial?	/4
Act 17-1	How do you factor trinomials by grouping? What are sum and difference of cubes and how are they factored?	/4
Act 17-2	What is The Fundamental Theorem of Algebra? How can you create a polynomial given its roots? What is the Complex Conjugate Root Theorem?	/4
Act 18-1	How does understanding roots and end behavior help you graph a polynomial?	/4
Act 18-2	What are The Rational Root Theorem, Descarte's Rule of Signs, The Remainder Theorem and the Factor Theorem and how do they apply to finding roots and graphing polynomials?	/4
Act 18-3	How do you solve polynomial inequalities?	/4
	Subtotal	/48
	Adjusted Total = Total /48*40	/48

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