Pre-Calculus 12

Name: _____

Block: _____

Chapter 3 Assessment

Emerging: I am starting to understand the ideas
Developing: I am understanding many of the ideas but I make errors
Proficient: I have a complete understanding of the skills and concepts
Extending: I am pushing my learning to connect to advanced problems and ideas

Section		Level of comprehension	Assignment Completed and Posted
3.1	• I can identify types of polynomial functions • I can analyze polynomial functions from the function • I can analyze polynomial functions from the graph		
3.2	• I can divide polynomials using long division • I can divide polynomials by binomials such as $x - a$ using synthetic division • I can explain the relationship between the remainder and the value of the polynomial at $x = a$ (Remainder theorem) • I can use the remainder theorem to find a remainder • I can solve problems using the remainder theorem		
3.3	• I can factor polynomials of degree 3 or higher • I can explain the factor theorem • I can explain the relationship between linear factors of a polynomial and the zeros of the corresponding function.		
3.4	• I can find zeroes and their multiplicity • I can determine the positive and negative intervals of a polynomial function. • I can sketch the graph of a polynomial function without technology. • I can write the equation for a polynomial function given the graph		

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Work Habits	G 100% to 80% of the time	S 80% to 60% of the time	N less than 60% of the time
Assignments completed and handed in on time			
Arrive to class on time			
Return after break on time			
Work on the math assignment during class			
Phone use limited to checking math answer keys posted on the website			
If absent: watching the lesson video or reading the lesson notes			

Communication Questions

1. Using your own words, explain the Remainder Theorem.

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2. Using your own words, explain the Factor Theorem.

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