

Name: _____

Block: _____

Chapter 3 Self-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
3.1	<ul style="list-style-type: none"> I can find the derivative at a point by using the definition of a Derivative (limit process) I can write the equation of a tangent line at a given point 		
3.2	<ul style="list-style-type: none"> I can find the derivative of a function using the Definition of a derivative (limit process) I can use the Power rule for finding derivatives (short cut) I can find horizontal tangent lines using the derivative 		
3.3	<ul style="list-style-type: none"> I can find the derivative of Products and Quotients 		
3.4	<ul style="list-style-type: none"> I know the difference between average rate of change and instantaneous rate of change I can use the formula for Position of a free falling object and find velocity 		
3.5	<ul style="list-style-type: none"> I can find higher order derivatives 		
3.6	<ul style="list-style-type: none"> I know the derivative of all six trig functions or I can create them from the derivative of sin and cos 		
3.7	<ul style="list-style-type: none"> I can use the chain rule to find derivatives of composite functions I can simplify functions after using the chain rule by factoring out the least power I can apply the chain rule to trig functions I can find equations for tangent lines 		
3.8	<ul style="list-style-type: none"> I can find a derivative using Implicit differentiation I can find conditions on x or y for horizontal tangents lines 		

3.9	<ul style="list-style-type: none"> I can use implicit differentiation to solve related rates problems I can write my solution with the appropriate units 		
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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			

Outline the steps required to find the equation of a tangent line given a function and an x-value

Outline the steps required to solve a related rates problem
