AP Calculus AB – 1st Quarter Assessment Grades Name: _____

Key: F-L – Limits of Functions F-B – Behavior of Functions F-C Continuity D-C Concept of the Derivative

Most recent grade entered in Powerschool. Two consecutive scores of 3 *or higher required. Each standard is assessed at least twice. Re-taking an assessment requires proof of completed homework. Full state standards on web at:* http://j.mp/tenncalc AP Course Description: http://bit.ly/apcalcccd

F-L1a Simple Limits: I can calculate limits algebraically, involving cancellation of terms or related manipulations.

Date						
Score						

F-L1b: One Sided and Infinite Limits: I can calculate one-sided limits and limits at and involving infinity.

Date						
Score						

F-L1c: Advanced Limits: I can calculate limits involving special trig properties and rationalization.

Date						
Score						

F-L2a Graphs and Tables: I can estimate limits of functions (including one-sided limits) from graphs or data.

Date						
Score						

F-B1: Asymptotes as Limits: I can describe asymptotic behavior (analytically and graphically) in terms of infinite limits and limits at infinity.

Date						
Score						

F-L2b: Absolute Values and Piecewise Limits: I can apply limits to absolute value functions and piecewise functions.

Date						
Score						

F-C1: Definition of Continuity: I can define continuity at a point using limits, and I can define continuous functions.

Date						
Score						

F-C2: Continuity at a Point: I can determine whether a given function is continuous at a specific point, and I can find values to make a function continuous at a specific point.

Date						
Score						

F-C3: Discontinuities: I can determine and define different types of discontinuities (point, jump, infinite) in terms of limits, both analytically and graphically.

Date						
Score						

F-C4: IVT, EVT: I can apply the Intermediate Value Theorem and Extreme Value Theorem to continuous functions.

Date						
Score						

D-C1: Limit Def. of Derivative: I can apply the limit definition of derivative to calculate the derivative of a function (either as a separate function or at a point).

Date						
Score						

D-C2: Instant Rate of Change: I can interpret the derivative as an instantaneous rate of change in applications.

Date						
Score						

D-C3: Derivative as a Graph: I can illustrate the concept of a derivative as the slope of the tangent line graphically; I can graph a given function's derivative function.

Date						
Score						

D-C6: Derivative from Data: I can approximate both the instantaneous rate of change and the average rate of change given a graph or table of values.

Date						
Score						

D-C7: Power Rule, Trig: I can find the derivative of polynomial and simple trigonometric functions.

Date						
Score						

D-C8: Product/Quotient Rule: I can use the product and quotient rules to calculate derivatives.

Date						
Score						

Score conversion:

Score	Grade in PS
4: Advanced (Complete understanding of the concept. Can apply this concept to situations beyond what is expected.)	96
3: Proficient (Understanding of the concept possibly with minor errors.)	86
2: Basic (Some understanding of the concept with major errors. Needs to remediate this concept.)	66
1: Below Basic (Does not have an understanding of this concept. Intense remediation is necessary.)	50
0: No attempt was made.	0

If a student scores a 4 on their first two assessments, s/he will receive a 5 (or 100) for that standard.