

# AP Calculus AB – 1<sup>st</sup> Quarter Assessment Grades

Name: \_\_\_\_\_

Key: *F-LF – Limits of Functions*      *F-BF – Behavior of Functions*      *F-C Continuity*  
*D-CD 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://j.mp/apcalccd>

Tentative Midterm Date – Limits and Continuity Test, Friday 18 September

F-LF1: Calculate limits (including limits at infinity) using algebra.

Date						
Score						

F-LF2a: Estimate limits of functions (including one-sided limits) from graphs or tables of data.

Date						
Score						

F-BF1: Describe asymptotic behavior (analytically and graphically) in terms of infinite limits and limits at infinity.

Date						
Score						

F-BF2: Discuss the various types of end behavior of functions; identify prototypical functions for each type of end behavior.

Date						
Score						

F-LF2b: Apply the definition of a limit to a variety of functions, including piece-wise functions.

Date						
Score						

F-C1: Define continuity at a point using limits; define continuous functions.

Date						
Score						

F-C2: Determine whether a given function is continuous at a specific point.

Date						
Score						

F-C3: Determine and define different types of discontinuity (point, jump, infinite) in terms of limits.

Date						
Score						

F-C4: Apply the Intermediate Value Theorem and Extreme Value Theorem to continuous functions.

Date						
Score						

D-CD1: Represent and interpret the derivative of a function graphically, numerically, and analytically.  
(Includes Power Rule)

Date						
Score						

D-CD2: Interpret the derivative as an instantaneous rate of change.

Date						
Score						

D-CD3: Define the derivative as the limit of the difference quotient; illustrate with the sketch of a graph.

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.