1. Calculus with AP Preview

- (1) Contents
 - Limit, Continuity, and L'Hospital's Rule
 - Derivative
 - First and Second Derivative Theorem
 - First and Second Derivative Application
 - Derivative Application to Rate, Maximum and Minimum, Business Problems and Linear Approximation
 - Integration
 - Definite Integrals
 - Improper Integrals
 - Area and Volume Problems
 - Mean Value Theorem, Exponential Growth/Decay Problems and Distance Traveled Problems
 - Differential Equations
 - Series
- (2) Purpose
 - Full understanding of calculus
 - Prepare students for SAT AP Calculus
- (3) Teaching Methodology
 - Student centered approach
- (4) Qualification of Students
 - Completion of pre-calculus
- (5) Textbook
 - Teacher will send out handout to students one week prior to the class
- (6) Hours/week
 - 1/5 Hour/Week
- (7) Maximum Number of Students
 - 10
- (8) Request of TA

NA