Summer Assignment 2016-17: AB Calculus

AB Calculus has 36 Questions

Mr. R.'s Mission Statement: My mission is to assist students reach their full potential as proficient and organized mathematicians. I intend to do this by emphasizing the importance of perseverance, commitment, and hard work in realizing worthwhile pre-determined goals. I will emphasize our school's commitment to the Sunshine State Standards. A central focus of my teaching will be to encourage students to take responsibility for their own learning, to assist them to problem-solve, and to help them present logical, calculated and innovative solutions to challenging problems.

Things to think of before entering into AB Calculus:
- Students must be able to simplify expressions and solve equations algebraically.
- Students will be required to call upon knowledge that they have used in all past math classes
- AB Calculus students have the option to continue their Mathematics studies in BC Calculus at OHS, or later , at College. If you intend to study higher level math/engineering/ Science and Technology at College you should do BC CALCULUS. BC Calculus consolidates the work that you have done in AB Calculus and introduces several other Topics.
- Students helping other students will be encouraged, but any final work must be that of the individual student. Grades will be determined using the following ratios: Tests 85%, Homework 10%, Classwork 5%. Obviously, the latter affect the former.
- Students will be required to continue developing their critical thinking and problem solving skills. They should make at least a good attempt at solving tough problems and not leave them blank. Go to the Internet/ Facebook for help.
- Tests will be the main grade in the course. Students need to study for tests!
- Tests are cumulative and could have any problems that have been previously covered in the course. REVIEW! REVIEW! REVIEW!
- Word problems are an essential part of all of these courses.
- Students will be required to take detailed notes, produce summaries of these notes and do presentations at various times in the course. Participation is essential for learning.
- Students must have, and be able to use, a graphing calculator. Recommendation is a TI 84 Plus.

Summer Assignment
- This assignment will be due Friday August 11,2017(at the beginning of the period)
- You must show all work to get full marks for each question.
- Answers are provided so you can check them. Self Grade the assignment: The numbers in the circles, next to each question, give you the value of that question. The assignment is out of 965. Change the score to a % and clearly write the result on the front. Try to do the assignment in the following manner. Do Question 1: grade it (consult the answers provided). If correct and you have all of the work shown, give yourself the grade for that question. If you got it partially correct give yourself partial credit. If you got it incorrect give yourself zero: study the answer and see if you can work it out. Use a different color pen to correct your work. This skill will be a major help in Calculus. The assignment will be assessed on the basis of how well you followed these steps and not on the actual score that you received when you graded it. The percentage grade is valuable for the teacher.
- Your first test of the school year will include questions of the type included in the Summer Assignment. GET OFF TO A GREAT START TO THE YEAR. Problems were picked to help you get a jump start for the year.
- This will count as your first major homework grade. Late work will not be accepted.