

## AP Calculus BC Project 2011-2012

On Thursday, August 25<sup>th</sup>, you will have an exam on Chapter One. Chapter One is a review of key Algebra 1, Advanced Algebra, and Pre-Calculus topics. There is NO calculus in this chapter.

During class, you are to spend your class time in your assigned groups making sure that everyone knows how to do all of the problems listed below.

For THIS test, the use of a graphing calculator is required.

The test will consist of 13 'multiple choice' questions (worth 5 points each), and 5 'free response' questions (worth 9 points each) . Yes...if you do the math....you can get 110 out of 100 on this first test.

Below is a recommended list of problems you should know how to do before you take the exam. These problems will NOT be collected.

Section 1.1 – P. 5 #2,4,5,7,8,9,10,11,13,15,16,17,20,23,26

Section 1.2 – P. 12 #7,9,11,13,15,17,19,22,23,25

Section 1.3 – P. 22 #2,3,4,8,10,11,12,13acd,15ac,16abce,17

Section 1.4 – P. 30 #1,3,4,5,11,12,13,15,16,17,21

Section 1.5 – P. 37 #1,3,5,7,9,11

Section 1.6 – P. 42 #1,3,5,7,9,12,13,14,15,17,19,21,23, 28,31

Section 1.7 – P. 49 #3,4,5,6,7,9,10,11,19,20,21,22,29

Section 1.8 – P. 58 #1,3\*,11,12,15,16,19\*,20

Section 1.9 – P. 66 #1,2,3abc,4ace,5abc,10,12

Section 1.10 – P. 73 #4,9,10,12

Ch 1 Review – P. 76 #1,2,4,5ab,6,7,9,10,11,14abcde,17a,18,19\*,20,22,26,27,29

A few additional notes:

- You do NOT need to know/memorize the formulas for compound interest. You need to be able to apply the formula if given.
- You do NOT need to know the half-angle, sum and difference identities on P. 71. You need to be able to apply the formula if given.
- You are encouraged to check your answers with the blue binder at the podium as you progress through this project. You may check any time before school, during school, during class, during study hall, or after school. Ask for help from the teacher if your answers aren't matching.
- A \* by a problem number indicates we need to make a change to the problems, its directions, or there's an error in the problem. Check with the master book at the podium to see the fix.