REVIEW-PREVIEW ASSIGNMENT

You are receiving this Summer Assignment now so that you can plan ahead and work on this assignment on a schedule of your own choosing that fits your plans for the summer.

Our main textbook is the following. It should be available on ETechCampus soon:
- Larson/Battaglia: *Calculus for AP* (Cengage Learning, 2017)
      ISBN 978-1-305-67491-2
We also have an AP prep book:
- Cole/Caldwell/Lucia: *Fast Track to a 5: Preparing for the Advanced Placement Calculus AB and*
  BC Examinations (Cengage Learning, 2016)
      ISBN 978-1-305-96658-1

Chapter P and Appendix Section C.3 contain review material from your Algebra 2 and Pre-Calculus courses. You should be able to handle the topics on your own for the most part. A brief discussion of Chapter P and Appendix Section C.3 will take place during the first few days of classes.

You will be most successful if you:
•   purchase the textbook early in the summer
•   **read** the sections in the textbook and follow the worked-out examples.
•   do some assigned problems from each section throughout the summer.
•   email Mr. Sung with any questions you have over the summer.
•   **do not wait until school starts to do the work!!!!!**

The "assigned problems" are on the enclosed Quarter 1 Schedule. You should note that the answers to the odd problems are included in the back of your book. On the **CalcChat** website (http://www.calcchat.com/book/Calculus-for-AP-1e/) you can find worked-out solutions to most of the odd-numbered problems. In addition, the **CalcView** website (http://www.calcview.com/Calculus-for-AP-1e/) contains videos where teachers work out solutions to selected odd-numbered problems (the ones where the problem numbers are in red).

This assignment will give you a strong foundation on which we will build the topics of AP Calculus AB. Please note that there will be groupwork assignments and a quest on Chapter P and Appendix Section C.3. These grades will be included in your Quarter 1 grade. (Your first problem set will be assigned after school starts.)

QUARTER 1 SCHEDULE

(Note: Dates are approximate and are subject to change.)

Date	Day	Topics Covered	Assignment
Class #1		Course Introduction **P.1.** Graphs and Models **P.2.** Linear Models and Rates of Change	p. 10: Ex. 5, 11, 21, 25, 27, 33, 39, 47, 57, 61, 63, 67, 69; p. 20: Ex. 9, 21, 23, 25, 35, 37, 41, 49, 51, 59, 63, 65, 75
Class #2		**P.3.** Functions and Their Graphs **P.4.** Inverse Functions	p. 31: Ex. 3, 5, 11, 19, 29, 31, 35, 41, 45, 55, 59-63 odd, 67, 73, 75; p. 42: Ex. 3, 5, 19, 23, 29, 33, 35, 41, 43, 51, 59, 61, 71, 83, 89-101 +4; 103, 107
Class #3		**P.5.** Exponential and Logarithmic Functions **C.3.** Review of Trigonometric Functions	p. 51: Ex. 3, 7, 11, 17, 27, 33, 41, 45, 51, 53, 57, 67, 73, 77-101 +4, 103, 105; p. A31: Ex. 1-13 odd, 17, 19, 25, 27, 33, 37-47 odd, 53, 57, 61, 63
Class #4		**Quest: Chapter P, Section C.3**	
		1.1. A Preview of Calculus	
		1.2. Finding Limits Graphically and Numerically	
		1.3. Evaluating Limits Analytically	
		Quiz: Sections 1.1, 1.2, 1.3	

Last Revised: 2019-03-29