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.

We are using the same textbook that we used in AP Calculus AB:
- Larson/Battaglia: *Calculus for AP* (Cengage Learning, 2017)

We are using the same AP prep book that we used in AP Calculus AB:
- Cole/Caldwell/Lucia: ***Fast Track to a 5: Preparing for the Advanced Placement Calculus AB***
                and BC Examinations (Cengage Learning, 2016)

This summer, you are to review Chapters P-2 (up to Section 2.7) and Appendix C.3. You should be able to handle the topics on your own for the most part. A brief discussion of these topics 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 BC. Please note that there will be groupwork assignments and a quest on Chapters P-2 and Appendix Section C.3. These grades will be included in your Quarter 1 grade.

2021-2022

QUARTER 1 SCHEDULE

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

Date	Day	Topics Covered	Assignment
Class #1		Course Introduction **Ch. P.** Preparation for Calculus **App. C.3.** Review of Trigonometric Functions	pp. 54-55: Ex. 1-63 odd; pp. A31-A33: Ex. 5-13 odd, 15-47 +4, 51, 59, 63
Class #2		**Ch. 1.** Limits and Their Properties	pp. 118-119: Ex. 13-93 +4
Class #3		**Ch.2.** Differentiation	pp. 204-207: Ex. 1-93 +4, 101, 105, 113, 115, 117, 119, 125
Class #4		**Quest: Chapter P, Section C.3**	
		2.8. Newton's Method (***NEW TOPIC***)	
		7.7. Indeterminate Forms and L'Hôpital's Rule	
		3.1. Extrema on an Interval **3.2.** Rolle's Theorem and the Mean Value Theorem	

Last Revised: 2021-04-30