Liberty High School

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Heather Harper, Principal
Anna Perales, Assistant Principal
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Dear Students,

Welcome to the wonderful world of AP Calculus BC! You have made an excellent choice by enrolling in this class for several reasons. One major reason is that it will enhance your application when applying to colleges. This is a challenging course, but I will do everything to ensure your success. The good news is that this course is only three chapters of new material in addition to what you already covered in AB Calculus. A substantial portion of our course will be spent reviewing Calculus AB. Best of all, when you pass the AP exam next May, you will receive twice as much college credit as you would for passing the AB Calculus exam – whether or not you passed it this year.

In preparation for our class, I have attached a "summer review" packet. Before you get nervous, it is only a review of material that you covered already; I need to be certain that you are prepared for this year' class.

Part 1: Review your Pre-calculus skills, including solving problems from your Calculus book. In case some of you are not able to pick up the book again June 15-17, I've made the problems available online: (https://ca01001129.schoolwires.net/Page/14177). The questions and answers are available to you. If you won't have computer access over the summer, please contact me and I'll get you a hard copy of the problems.

Part 2: Memorize the attached Trigonometry and Calculus facts. The best way to do this is with the help of FLASHCARDS, but you can certainly use any method that is most helpful. (Quizlet?) We will spend the first three months or so reviewing chapters two through seven from AB Calculus before moving onto new material in November. Our review will begin the first day of school, so going over your AB Calculus notes prior to class will definitely ensure a successful start. In addition, I **STRONGLY** recommend forming a study group with other BC Calculus students. This will be helpful not only over the summer but also throughout the academic year.

Please feel free to contact me if you have any questions or concerns (either now or over the summer). My e-mail address is: marquardta@luhsd.net and our class remind group is @s11BCcalc. I will be sharing the Quizlet sets and send periodic info soon. Also, please let me know how I may help. We are going to have a to a fantastic start!
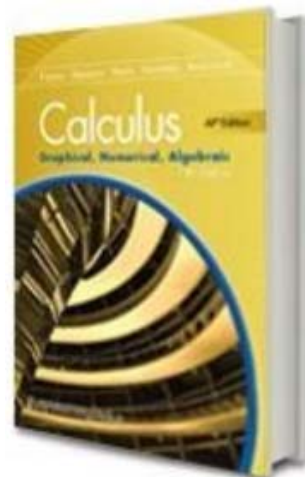
Enjoy your summer. I'm looking forward to seeing you next year.

Sincerely,

Ms. Marquardt

AP Calculus BC Summer Review

1.1 Linear Function . . . . #2-22e, 23, 24, 26-38e, 41, 43, 44

1.2 Functions & Graphs . . . . #1, 4, 5-20, 31-34, 41-48, 51-53

1.3 Exponential Functions . . . . #1-18, 20, 23, 24, 31, 36, 38

1.4 Parametric Equations . . . . #1-4, 5-15, 23-26

1.5 Inverse Functions & Logarithms . . #13-44

1.6 Trigonometric Functions . . . . . . #1-22, 24, 27-42

Review: Chapter 1 . . . . #1-18, 27-60, 63, 65

All of these assignments come from your Calculus book. They are also available on-line on my school website along with step-by-step answers. Definitely make sure to check your answers as you are working. Please make a list of the problems that you have trouble with (only the ones that you are still struggling with *after* looking back in the chapter for explanations and examples and talking to your study group members) so that we can review the material in class at the beginning of the year.

Remember,

1) Show all of your work (or I will not accept it)

2) If you received a package, do not write on the attached packet. It will be collected at the beginning of the year, along with this work.

If you choose not to do the Summer Review work, please make sure to contact your counselor so that they can make the appropriate changes to your class schedule.