AP CALCULUS BC – Summer Assignment 2019

Motivation

The following assignment will help you review requisite skills and concepts for success in AP Calculus BC. We will not spend a lot of time in class reviewing this material. In other words, you are expected to have a strong understanding of the material when school begins in August.

Worksheet: GRAPHS OF BASIC FUNCTIONS (available at ap.milfordschools.org/ap-calculus-bc)

From the text:
Chapter P Review Exercises: p 54/ 15, 18, 31d, 33d, 36, 57, 65, 67
Read section 1.1, then do: p 63/ 4, 5, 7, 13, 15, 17
Read section 1.2, then do: p 72/ 13, 15, 19, 21-25, 27, 55, 61, 64
Read section 1.3, then do: p 84/ 21, 33; 39-47 odd; 59-65 odd; 69, 71, 73, 77, 79, 83, 93, 106, 107
Read section 1.4, then do: p 96/ 1, 3, 5; 11-19 odd; 23, 25, 29, 43, 49, 55, 57, 68, 71, 77, 85, 99, 113, 114
Read section 1.5, then do: p 105/ 27, 33, 41, 43, 51, 52, 63
Read section 1.6, then do: p 115/ 1-6; 13-19 odd; 27, 33, 35, 37, 41, 45, 47, 49, 53

About Chapter P Although you are only required to do a handful of problems, you should be *able* to do every problem from this section. Be sure to look over the **entire** set of exercises to confirm this or to review as necessary.

About Chapter 1 Although you learned about limits last year in precalculus, when school begins in August we will revisit the Limits chapter (chapter 1), covering the topics in more depth and detail. The assignments for chapter 1 review the basics of limits and continuity. **Read** each section from the text before doing the exercises. You ***do not*** need to understand everything covered in the readings, and unlike chapter P, you do not need to know how to do ***every*** exercise from each section since we will be revisiting each section in August. However, you should prepare yourself for the quick pace of the class by trying to understand each ***assigned*** exercise.
If you need help with the assignment, I encourage you to collaborate with the other students in the class. Also, try visiting CalcView.com and CalcChat.com, companion websites for our text book that are very helpful resources.

Due Dates

You will "turn in" your assignments by sending me a picture of your completed work by email. Nothing fancy – just clear enough that I can tell the work is completed. If you are unable to scan or send a picture, please have your parent send me an email verifying your completion of the work that is due. Emails are due by midnight of each due date. There is a deduction for late submission. My email address is cox_c@milfordschools.org.
Your due dates are as follows:
Due June 30: Worksheet (Mathematical Models) and the Chapter P Review Exercises.
Due July 31: Chapter 1 assignments from the text.
Hard copies of all assignments will be collected on the first day of class.

Preparing Your Work For Submission
Worksheet: Please record answers directly on the worksheet.
Text assignments: Please show all work necessary to support your answers. Start each section's assignment on a new piece of paper.
Put all work, including the worksheet, in a **folder** to be turned in on the first day of class. Make sure your name is on every paper you turn in.

If you complete this assignment early in the summer, you may find it beneficial to review it again just before school starts. Remember, this will be the first impression I have of you as a Calculus BC student… make it a good one!