

AP Calculus BC Summer Assignment

You are to use the AP Calculus Textbook (Calculus AP edition, by Larson/Edwards 10th ed.) as a resource to help you complete a review of several items learned over the course of your high school math career. The assigned problems are designed to refresh your previous knowledge and ensure that your foundation for Calculus is in place. You will complete problems from the following mathematical topics: Graphs and Models; Rates of Change; Linear Models; Functions; Modeling Data; Limits.

I strongly suggest that you *read and take notes from each section* that you have assigned problems in. The goal is for you to become familiar with the mathematical language of this text and keep your mathematics skills up to par over the summer. Remember this is an AP course so much of the learning you must do on your own! It is time to start this habit.

The following problems are to be completed and handed in on the first day of school in September. This will be your first grade for MP 1. Your work must be neat, organized and legible. All final answers are to be circled. Every day the assignment is late you will lose one full letter grade.

YOU MUST SHOW ALL YOUR WORK!! NO Work = NO Credit

Assignment:

Page 37 #'s: 1, 5, 11, 17, 19, 21, 28, 30, 31, 36, 41, 44, 47, 49

Page 39 #'s: 1, 3, 5, 7, 9, 11, 15

Page 47 #'s: 1, 4, 5, 6, 9

Page 55 #'s: 1, 2, 3, 7, 8, 11, 14, 15, 20, 26, 27, 49, 50, 54

Page 67 #'s: 2, 5, 8, 15, 21, 24, 30, 38, 43, 51, 56, 59, 84, 87

Page 79 #'s: 2, 4, 7, 18, 19, 31, 35, 43, 63, 68

You may contact me via e-mail with questions: mldshof@hopatcongschools.org; however, I do not expect there to be any major questions. If you do not hear back from me within a week, e-mail me again!

**DO NOT WAIT UNTIL THE LAST MINUTE TO START THIS
ASSIGNMENT!!!**

Good Luck and Enjoy Your Summer! ☺