

Murrieta Mesa High School
AP Calculus AB
2014-2015 Summer Assignment

Please check out a calculus book and a graphing calculator (if you don't already have your own) from our school library. In order to check out a calculator, you'll need to fill out a graphing calculator contract which is located at the end of this assignment. You can also pick one up from Mr. LeRossignol in room 301. Before we return in August, read the following sections and make sure you can do the accompanying problems. This assignment will not be collected but you are responsible for knowing the material. There will be a quiz on the second or third day of class covering the concepts listed. It is recommended that you do this work closer to the end of summer break so that the material is fresh in your mind when you return.

Appendix A: Graphing Using Calculators #1, 5, 8, 9, 17, 19, 20, 25

Appendix B: Trigonometry Review #1-31 odd

Appendix C: Solving Polynomial Equations #1-21 odd (skip #7, 19)

Section 0.1 p. 12 #1, 3, 5, 7, 13-16, 23-25, 29, 35

Section 0.2 p. 24 #5-37 odd (skip 25), 45, 51, 53, 58, 59, 67

Section 0.3 p. 35 #11, 15, 16, 29, 31, 35

Section 0.4 p. 48 #1-19 odd

Section 0.5 p. 61 #1, 2, 5, 6, 9-29 odd, 35-38

In addition to the review material, it would be good to get a head start on the concept of limits, a fundamental idea used in most calculus problems. In order to do so, you'll need to go online to watch a series of short videos. They can be found at the following site: <http://www.calculus-help.com/tutorials/> For now, just watch the Chapter One tutorials on Limits and Continuity. If you are craving more calculus fun over the summer, go ahead and watch some or all of the Chapter Two tutorials. The quiz during the first week will not include material from any of the tutorials viewed online but they will give us a good basis to begin our lectures in August.

I am looking forward to a great year and hope you are too. But first, have a great summer!

Mr. LeRossignol (M301)

Calculator Contract on next page → you only need this if you don't have your own graphing calculator already.

MMHS AP CALCULUS CALCULATOR CONTRACT

You will be issued a TI-83 (plus) graphing calculator that will be with you until the end of school in June. You are to bring it with you to class every day. You are totally responsible for the maintenance, use, and care of the calculator (including replacing batteries). You are expected to bring it to class every day. The calculator **replacement cost is \$100.00**. If you **lose or damage** the calculator or its parts, you will be responsible for paying the full replacement cost of \$100.00. By signing below, you fully understand the terms stated above and agree to abide by them.

Yes, I agree to check out a TI-83 (plus) graphing calculator from Murrieta Mesa High School. I agree to all of the above conditions.

Fill out lines 1 and 2 below and then bring this form to the library to get your calculator. At that time, you can record the calculator's barcode on line 3 as well as the date on line 4. The librarian will collect this form from you. You should write down the barcode somewhere safe just in case.

1. Print Student Name _____ ID# _____

2. Student Signature _____

3. Calculator # _____ (write this down somewhere safe)

4. Date checked out _____