

# AP Calculus Summer Work 2017:

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Welcome to AP Calculus.

We will be using Mathlab with Finney, Demana, and Waits' *Calculus Graphical, Numerical, Algebraic* book for AP Calculus (Fifth Edition). Attached is a list of the ISBN number that you need to purchase Mathlab. You can buy the material for the class on the Follette site or directly from Pearson (It is cheaper if you buy it from Pearson.).

All work completed during the summer should be completed in a notebook which will be passed in the first day of school. Thus, even if the questions are online any work that you did to get the answer must be done in the notebook. It will be graded as a homework assignment. In order to be prepared for the AP Calculus test you must complete the following during the summer:

On Math Lab:

Complete Chapter 1 and chapter 2. Chapter one is a review from pre-calculus. Chapter two is on limits.

For chapter one I have created a pre- test, post-test as well as homework to be completed. (Remember to do all work in your notebook.)The post-test will be counted as your first test. The work from the post-test should be emailed to me when you have completed it so I can re-grade the test for partial credit or in order to add points if you had the correct answer but entered it incorrectly.

For chapter 2 there is a pre-test, practice test, and homework. We will review this chapter briefly in September and have an in class test.

All online summer work will be graded automatically by MathLab and reported to me. These grades will be part of your first quarter grade. The assignments will be due throughout the summer. Mathlab will list when assignments are due. I have put due dates so that none of you wait until the last weekend of the summer to complete this.

You will also be responsible for the following:

1. The unit circle. You need to know all the key points as seen on the given unit circle and how to use it.
2. Trigonometric identities

You will have a quiz on these two parts on the first day of school.

I have created a folder with all the information you need for the summer. The folder includes the following:

1. Description on how to get on to Math Lab
2. A copy of chapter 1 and 2 text
3. A copy of the unit circle
4. A copy of a blank unit circle to practice with
5. A chart to complete for the unit circle
6. A list of the trigonometric identities
7. A list of all required assignments
8. Flashcards for Calculus and Pre-Calculus
9. AP Test information

If you have any questions you can email me through one of the following ways:

1. MathLab- there is an option you can choose to communicate with your teacher
2. My school Email [hgabriel@nda-worc.org](mailto:hgabriel@nda-worc.org)
3. My personal email [hopben@aol.com](mailto:hopben@aol.com)

Please do not hesitate to email me if you have any questions at all. If you need help getting on Math Lab, or have a question on any topic, I will try to answer all questions online. If that does not work then we can arrange a meeting to clear up the problem that you may be having. I will post this on the Math Lab website for our class.

# AP Calculus Summer Assignments

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Chapter 1 Assignments(online):

1. pre-test
2. homework 1.1
3. homework 1.2
4. homework 1.3
5. homework 1.4
6. homework 1.5
7. homework 1.6
8. post test

Chapter 2 Assignments(online)

1. pre-test
2. homework 2.1
3. homework 2.2
4. homework 2.3
5. homework 2.4
6. practice test 2

Unit Circle

1. Know all the key information on the given unit circle.
2. Know all the trigonometric identities
3. Prepare for a quiz on the unit circle and trigonometric identities on the first day of class

**Quiz: On unit circle and trigonometric functions on the first day of class**

**All work will be collected.**

Review of chapter 2 will be completed prior to the chapter two test.