

Dear AP Calculus AB students!

Welcome to your summer assignment! **Please sign up for the Canvas Summer Assignment Course:** <https://apsva.instructure.com/enroll/N693G9> to download all the readings and exercises.

I am looking forward to meeting you and working together to learn and enjoy Calculus!

This summer assignment is meant to help you review the precalculus content necessary to help us get off to a great start next year learning Calculus.

The official due date will be the first class of the second week of school, but you will likely feel much more prepared if you have it finished before school begins and use the first full class to ask questions and review your work. There is a quiz scheduled in the second week of school after you have had a chance to go over all your questions.

Please email me with any questions!

Instructions for Assignment:

- Read the four pages called Section 1.2 on Ratios and Rates of Change (think "slope"!!)
- Complete the following 1.2 Exercises which follow the reading on Ratios and Rates of Change: #7,8,21,22,57,58,67,68
- Complete the two pages of "Graphing Sprint" Match the Graphs and their equations. If you need to use desmos or a graphing calculator to help you the first time through, that is fine, just try to keep looking back at this matching activity to see if you can eventually match without the use of technology
- Read the two and a third pages of 1.6: Exponential and Logarithmic Functions paying particular attention to the Properties of Exponents and Properties of Logarithms which are starred.
- Complete the following 1.6 Exercises which follow the reading on Exponential and Logarithmic Functions: #5a-d,6a-d,7-21 odds,75-80 all, and 97-104 all.
- Complete the one page #1-24 all of the Solving Review worksheet
- Fill out the unit circle worksheet (two sides). Do as much as you can from memory or from deriving by reference triangle. It is expected that you have the unit circle memorized by the time you start Calculus
- Complete the Unit Circle Practice worksheet Part A #1-30 and Part B #1-23

That's all folks! Email me at susan.carr@apsva.us if you want to schedule some extra help the week before school starts to review anything in person with me. See you in August!