

Suffolk Public Schools

AP Calculus AB

Summer Assignment 2017

Summer Assignment:

Suffolk Public Schools wishes to promote a summer assignment that prepares students for a rigorous program in Calculus. The following assignments are designed to promote a serious academic attitude that demonstrates a high degree of self-discipline and self-motivation.

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Resources:

As you complete your summer assignment, you may need to review math concepts and rules you learned in previous courses. Try these resources:

The website <http://www.math.vanderbilt.edu/~pscrooke/calculus/AT1.pdf> will direct you to a very thorough review of Algebra and Trigonometry material in order to prepare you for Calculus. It has a summary of important topics as well as practice problems and answers to odd-numbered problems. The following website

<http://www.math.vanderbilt.edu/~pscrooke/calculus/calculus.html> has a number of other helpful resources.

If you need help with the web assignments, the University of Michigan has a really good website with practice problems and tutorials at: <http://prep.math.lsa.umich.edu/pmc/> Enter the module and select any topic, or test your overall knowledge with the diagnostic test at the end of the list of topics.

Two additional general websites for math tutorials and practice are Kahn Academy, <http://www.khanacademy.org/>, and HippoCampus, <http://classic.hippocampus.org/>.

Finally, you may always “Google” the topic and search for additional resources on your own. If you cannot find adequate assistance on your own, through these online resources, contact your teacher by email – the email address for the AP Calculus teacher at each high school are listed at the end of this assignment.

Assignment 1:

Print a copy of the worksheet located at:

<http://www.mathbits.com/MathBits/TeacherResources/PreCalculus/PreCalcCachingWorksheet.pdf>.

Use the worksheet to record your answers for the problems beginning at:

<http://mathbits.com/caching/precalc1.html> and then print a copy of the last page – box #10. You will work 33 problems by the time you complete this activity.

Assignment 2:

Print a copy of the worksheet located at:

<http://www.mathbits.com/MathBits/TeacherResources/Algebra2/TrigCachingWorksheet.pdf>

Use the worksheet to record your answer for the problems beginning at:

<http://mathbits.com/caching/trigopen1.html> and then print a copy of the last page – box #10. You will work 29 problems by the time you complete this activity.

Assignment 3:

Visit the following website to familiarize yourself with the AP Calculus AB website on College Board. <https://apstudent.collegeboard.org/apcourse/ap-calculus-ab>

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Due Date: Assignments 1 – 3 are due on the *second day* the class meets in September.

Assignment 4:

Reflect on the work you have performed in completing Assignments 1 through 3, above. Write a one-page essay describing: (1) why you desire to take AP Calculus this year; and (2) *your* expectations for the course.

Due Date: Send your essay to your teacher by email **on or before Thursday, September 7, 2017.**

EMAIL ADDRESSES:

Kings Fork: Scott Graham scottgraham@spsk12.net

Lakeland: Scott Reed scottreed@spsk12.net

Nansemond River: Jason Reed jasonreed@spsk12.net