

AP[®] Calculus AB Summer Assignment-2019

This is a very challenging college-level class that will require about 3-4 hours of homework a week. If you are not willing to give 100% effort, you may wish to reconsider registering for this class. If you choose to take the challenge, you will be working toward the goal of passing the AP Exam. During the summer, you will need to purchase your text; we will have a link to Follett Virtual Bookstore (FVS) available on our web site with all our booklists.

Calculus: Early Transcendental Function, 6th Edition, AP[®]Edition Ron Larson and Bruce Edwards, ISBN: 978-1-285-77589-0

This assignment covers chapter 1, preparation for Calculus, of the AP Calculus book. I would recommend doing this assignment in August, so that the information is fresh in your mind at the beginning of school. There are many problems, and some require a lot of work so please plan ahead and don't expect to be able to do it all in one sitting! The entire completed assignment, with all the required work shown, is **due the first day of school**. We will review these problems in class for two days. The test over chapter 1 will be the next day.

1.1 p. 8-9 # 1 – 77 odd

1.2 p. 16-17 # 1 – 65 odd, 77,79

1.3 p. 27-29 # 1 – 39 odd, 45,64,66a-c,87-90all,104

1.4 p.34 #6

1.5 p. 44 # 1 – 51 odd, 69 – 111 odd

1.6 p. 53 # 1 – 109 odd

Review Exercises p. 56 # 1 – 35 odd, 39-42 all, 67-70 all, 71-81 odd

Problem Solving p. 39 # 3, 10

This assignment is a requirement, you must attempt each problem or you may be dropped from the course, so don't forget! Be sure to have a graphing calculator to use throughout the year. I will be teaching with a graphing calculator from the TI-84 series. If you want extra help reviewing the week before school starts, email me and I let you know when I will be available to meet with you. I look forward to a great year and an adventure through the mathematical world of calculus.