

## ADVANCED PLACEMENT CALCULUS SUMMER WORK

Welcome to Advanced Placement Calculus. In order to be ready for the AP Exam at the beginning of May, we need to start our study in the fall with Chapter 2. You need to complete Chapter 1 during the summer months on your own. You should find that most of it is review, except possibly the parametric equations. I suggest that you work together with other classmates so you can talk over solutions and help one another learn.

Assignments ( <b>Due 1<sup>st</sup> Day of Class</b> )	Number of problems
1.1 Lines; pages 9-10 #31, 37, 41, 45	(4)
1.2 Functions and Graphs; pages 19-20 #15, 23, 25, 33, 45, 49, 53, 67	(8)
1.3 Exponential Functions; pages 26-27 #3, 11, 19, 21, 23, 29, 31	(7)
1.4 Parametric Equations; pages 34-35 #5-25 odd	(11)
1.5 Functions and Logarithms; pages 44-45 #9, 19, 25, 33, 37, 39, 41, 43, 49	(9)
1.6 Trigonometric Functions; pages 52-53 #11, 15, 25, 29, 31, 43	(6)
	Total (45)

Grade = 2 points for each correct problem plus up to 10 points for presentation. All the graphs must have their axis labeled. The problems need to be listed under each other and solved in the order that they are assigned. Each section should be labeled.

**This work is worth 50% of a test grade. It must be neat and complete. If the work is turned in on the second day, then the grade for the summer work will be 20 points less than it would have been if the work were passed in on time. If the work is turned in on the third day, then the grade would be 40 points less than it would have been if the work were passed in on time. No work will be accepted on the fourth day. You will have a CHAPTER 1 TEST on the third day of school. It will be worth the other 50% of a test grade. Together the summer work and the test on the summer work will be worth 100% of TEST 1.**

Check your work as you go along with the answers on pages 629-635 in your book.

A graphic calculator is required for this class. I will use TI 84-plus for the classroom examples. If you chose another type of a calculator, then you need to learn how to use it. Some of the problems assigned above require the use of a graphic calculator. You need to learn how to find equations of linear regression on your calculator. Also you need to find out how to graph parametric equations on your calculator.

You will not be able to complete this work in a couple of days! Be sure to allow yourself time to learn the material

I have read the instructions and know what I am supposed to do for the required summer work for AP CALCULUS.

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Print Name

Signature

Date