Precalculus Plus (Formerly named Trigonometry & Mathematical Analysis PLUS)
Summer Assignment 2018

Precalculus Plus (Formerly named Trigonometry and Mathematical Analysis PLUS) is a course designed to prepare you for AP Calculus by building on all of the mathematical topics you have covered previously. In particular, a strong foundation in algebra and geometry is necessary, along with a positive work ethic.

The summer assignment is an important first step in making sure you have a firm foundation for the study of the concepts and skills central to this course. Throughout the course, you will frequently utilize many important concepts and skills from Algebra II, and your Algebra II notebook will be a valuable resource as you complete this summer assignment and throughout the coming school year!

In this summer assignment, there are three sections, each concentrating on important concepts and skills.   Your work and solutions should demonstrate that you have a strong grasp of the mathematical language and should show that you use correct mathematical notation. If you have difficulty with any problem(s), be proactive by utilizing a mathematics tutor, study group, or internet tutorials (such as Khan Academy, www.khanacademy.org/math).

Note: It is highly recommended that incoming freshmen complete this assignment before Freshman Orientation in case you would like to ask me questions or get some help.

You are expected to:

1. Print out this letter as well as every page of the summer assignment. There should be plenty of space to complete each problem. If you need additional paper, please use loose-leaf lined or graph paper. Leave **at least 1 line** of white space between each problem.

2. Use <u>pencil</u> to do your work. You may use color to accent or highlight. Be very clear and neat in your presentation – this assignment will be graded. You do not need to do this assignment in one sitting. I recommend you break it up over a few days in August, based on suggestions from previous students.

3. Write your name in the top right hand corner of each page of the assignment. <u>Feel free to consult your Algebra II notebook as needed</u>!

4. Paperclip all your work into one packet. This collection of problems will be the first graded assignment of the course and is due the **first** day of class. We will discuss this assignment during the first week of class.

See you in September!