AP CALCULUS SUMMER PREP WORK

Name: _____

This prep work should be completed, to the best of your ability, by the first day of school. I have posted helpful recourses on our Google Classroom page, in order to assist you with the completion of the prep work. Please note; all of the material in the prep work was covered in previous math classes, there are no excuses.

This prep work will be checked on the first day of class and will be collected on the second day of class. The prep work will count as your first TEST grade for the year.

Success in AP Calculus requires an understanding of:
1. Operations with Rational Numbers and Radicals
2. Understanding Radical and Rational Exponents
3. Writing the Equation of a Line
4. Solving Systems of Equations
5. Solving General Equations
6. Graphing Parent Functions
7. Transforming Functions
8. Identifying the Domain and Range of Functions
9. Identifying Extrema, Increasing/Decreasing Intervals, and Critical Points
10. Identifying Inflection Points and Concavity
11. Solving Exponential & Logarithmic Functions
12. Trigonometry

Being able to complete these skills on both a Ti-84 Calculator and by hand is necessary for success in AP Calculus. In order to specifically identify calculator and non-calculator skills, there is a sample test at the end of the review. Although these questions cover material you should already know, they are designed to show you when you can use a calculator and when you cannot.

The review has been designed to specifically target the skills listed above in order to help you become better prepared for AP Calculus.

Please contact Mrs. Farnsworth for you're a copy of your work @ sfarnsworth@keansburg.k12.nj.us