

AP Calculus

Summer Assignments

In preparation for Advanced Placement Calculus, you are to complete the attached assignments at the END of the summer. You should form study groups to discuss these assignments. You are enrolling in a college level course. Work together, but do not use another student as a crutch. One key to success in this course is working by yourself, with your classmates, and with your teachers until you truly understand the material we discuss. The AP philosophy and course requirements necessitate an extremely concept-oriented, fast paced approach to calculus. You will not be able to just memorize your way through this material. You will have to spend time outside of class to complete your assignments. You may text me at 256-656-8339 to ask questions. When you text, be sure to tell me who you are!

You should be proficient in the topics addressed in these assignments WITHOUT using your calculator. These key concept areas are:

Functions/Inverses

Polynomials/Factoring

Absolute Value

Trig Functions/Common Angles

Exponential/Logarithmic Functions

Calculator competencies include:

Changing MODE from radians to degrees or from function to parametric/polar

Producing the graph of a curve

Finding points of intersection of two curves

Evaluating a function at a point