Precalculus/Analysis Honors
2016-2017

Primary Text: Precalculus, Michael Sullivan

Course Description: Emphasis is placed on problem solving and mathematical development using calculator enhancement of the following topics: Probability, Data Analysis/Statistics, Parametrics, Vectors, Polynomial Functions, Exponential and Logarithmic Functions, Analytic Geometry, Limits, Sequences/Series, Conics and Trigonometry and Polar Graphing.

Materials: Notebook with Ring Binder Dividers
Paper and Graph paper
TI-89 Graphing calculator or comparable
6" ruler
Pencils

Calculator: In 2016-2017, we shall be using the TI-89 as the official ORHS calculator in this course. This calculator will be available for rent through ORHS. The TI-89 uses a computer algebra system, which does symbolic manipulation. Currently, this calculator or any comparable calculator on the approved list by College Board may be used on the PSAT and the SAT but not on the ACT. A classroom set of TI-89 calculators will be utilized for testing.

Homework: Homework is assigned daily and the resulting practice is most important to success in this course. Assignments are expected to be completed when due. To support your effort this year, on a third missed homework assignment in a 9 weeks, I shall contact your parent or guardian. This intervention will hopefully be constructive, all parties knowing there is a problem for devising a plan for intervention.

Calculator Labs: Calculator labs will be offered 3 times during each 9 weeks and students may attend the labs before school, at lunch, or after school. These labs provide extended problem solving in Pre-Calculus and the opportunity for student collaborative group work. The labs are an optional part of the course, but they are strongly recommended. Calculator expertise gained in Precalculus will be a benefit for both this year and next in AP Calculus. When all labs are completed that are offered in a 9 week period, an additional grade of A is computed into the 9 weeks grade.

Grading Scale: A modified twelve point grading scale will be used in this course.

Evaluation: Each 9 weeks grade will be based on quizzes (3-4 per unit), unit tests, spot homework checks, projects, calculator labs (optional) and 9 weeks tests (optional and may substitute for a unit test or unit quiz average).

Internet Resources: Homework assignments, solutions, and other resources will be posted in Canvas and students are encouraged to visit the site regularly, especially in the case of absences.