GPLHS Syllabus

Description

Pre-Calculus Mr. Jaeger
Elective One Unit

This course bridges algebra and calculus. It is intended to aid students pursuing careers in which a greater knowledge of math is needed. Functions and limits are studied as the foundation for calculus.

Textbook: Advanced Mathematical Concepts, Glencoe/McGraw-Hill, 1997.
Materials: TI 84 Graphing Calculator
Notebook
Pencil

Objectives

The student will

- Learn to graph polynomial functions.
- Learn to graph rational functions.
- Learn and study the trigonometric functions.
- Learn to graph and work with the inverse trigonometric functions.
- Learn various trigonometric identities and equations.
- Learn polar coordinates and complex numbers.
- Learn and study exponential and logarithmic functions.
- Learn and study sequences and series.

Methods

The primary method of instruction for this course will be direct instruction with student practice and discussion. Other methods will include small group work, cooperative learning and student board work.

Evaluation

Quarter grade

1) 50% quizzes
2) 50% tests

Semester grade

1) 80% semester work
2) 20% semester test