GPLHS Syllabus

Description

Advanced Algebra/Trigonometry Mr. Jaeger
Required One Unit

This course is a continuation and deeper study of algebra which prepares students for pre-calculus and calculus. Algebraic manipulation and solution of polynomials as the groundwork for calculus dominate the course. The trigonometric functions and their uses conclude the course.

Textbook: Algebra 2 , Glencoe/McGraw Hill, 2003.
Materials: TI 84 Graphing Calculator
Notebook
Pencil

Objectives

The student will

- Learn to solve equations and inequalities..
- Learn to write and graph linear relations and functions.
- Learn to solve systems of equations and inequalities.
- Learn to work with matrices.
- Learn to work with monomials and polynomials.
- Learn to solve and graph quadratic functions and inequalities.
- Learn to solve and graph polynomial functions.
- Learn the various conic sections and their equations.
- Learn to work with rational expressions and equations.

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) 20% daily assignments
2) 40% quizzes
3) 40% tests

Semester grade

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