

Trigonometry  
Mrs. Liggett  
2010-2011

**TEXT:**

Trigonometry, Eighth Edition by Ron Larsen; Brooks/Cole, Cengage Learning

**PREQUISITIES:**

A strong mathematical background which must include Algebra I and Geometry or their equivalent.

**COURSE DESCRIPTION:**

This course will explore *trigonometry* from both the right triangle and unit circle perspective. Graphs and solutions of trigonometric equations will be studied in depth. Exponential and logarithmic functions as well as topics in analytic geometry will also be included. Applications and models of the topics studied will be emphasized throughout the course.

**MATERIALS:**

- Binder with 3 dividers
- College ruled paper
- Pencil and erasers
- TI graphing calculator (The school provides this and students are responsible for batteries (4 AAA) and any loss or damage to the calculator.

**CLASS EXPECTATIONS:**

*There are several expectations that are to be upheld in this classroom. Failure to follow these expectations will result in appropriate disciplinary action in accordance with school policy.*

- **Participate in class** (Students should play an active role in the class.)
- **Be prepared for class** (Student should have all necessary supplies/assignments.)
- **Complete all work** (Completion of all class activities and homework is important.)
- **Organize all materials** (Notebook and assignments should be organized.)
- **Be on time** (Students will be on time to class and turn in assignments on the proper date.)
- **Remain in your seat** (Students should stay in their seats until the dismissal bell.)