

Trigonometry

Mr. Martin
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Course Description:

Trigonometry MTIP 11-12 a-g

10 units/year

Prerequisite: Algebra 2/Trig. or Intermediate Algebra with a C or better.
Note: A graphing calculator is strongly recommended.

This is a college prep course and a follow-up to the Intermediate Algebra course. Major topic to be covered includes the six trigonometry functions, unit circle, right triangle trigonometry, Radian measure, graphing and inverse functions, identities and formulas, equations, triangles and complex numbers and polar coordinates. Further topics include addition formulas for sine and cosine half-angle and double-angle formulas, law of sines and law of cosines, de Moivre theorem and using trigonometry and a variety of applications.

Course Guidelines:

Attend class daily. It is your responsibility to make up missed classroom assignments, notes, and homework.

Be in your seat and ready to work when the bell rings. This means that your pencil sharpened and you are ready for class activities when the bell rings. Trips to the restroom should take place between classes.

Conduct yourself in a manner that is appropriate for a learning environment. You are expected to be supportive of the teacher and the other students. When someone is presenting, keep quiet, listen, take notes. Work with your partner or team members only. The following are unacceptable in this class: fighting, destructiveness, flying objects, foul language, rudeness or defiance of authority. Pagers, cell phones, CD players/walkman are not allowed in class. Keep them out of sight. Hats and hoods are to be removed. Food, drinks (water OK) or gum are not allowed in class.

Complete assignments daily. Make sure that your name and the assignment page and problem numbers are on the paper in order to receive proper credit. Late assignments will be marked down. Assignments are posted on www.mrmartinsmath.com and worksheets can be downloaded for printing at home.

Take classroom notes. You are required to keep a notebook. Use a spiral notebook or a three ring binder. Your notebooks will be graded about once a month.

Bring the following supplies to class everyday: #2 pencils, pen, eraser, lined paper, graph paper, your notebook.

Calculators in class. Calculators are needed for some topics. A graphing calculator is highly recommended.

Accept responsibility for you own learning. Work every assigned problem. Ask for help if you need it. Ask questions during class. Keep an accurate notebook. Study sample problems. If you fall behind, you will be asked to attend tutoring to complete the work.

Attend tutoring as needed in room 120 on Tuesday and Thursday after school.

Grades:

Students will receive points for their class work and homework (5 pts.)

Projects: points vary.

Quizzes are given every 2-3 classes (10 pts. prox.)

Tests approximately every two weeks (50 pts. prox.)

Grades are based on:

70% Tests

25% Assignments and Quizzes

5% Notebook

Grading Scale

A 90-100%

B 80-89%

C 70-79%

D 60-69%

F