

Academic Algebra 3 / Trigonometry 2014 – 2015
Sharpsville High School
Mr. Normand

Course Description:

This course is primarily a sophomore and junior level class that will study functions and graphing. There will be an emphasis on the six trigonometric functions along with topics in analytic geometry. Topics will include a review of plane and coordinate geometry, function notation, transformations and inverses, exponents and logarithms, definitions and graphs of the trigonometric functions, modeling periodic behavior, solving triangle problems with the Laws of Sines and Cosines, the unit circle, and trigonometric proof. There will be an emphasis on mathematical proof of concepts used for each chapter.

Textbook:

Larson, Hostetler, Edwards. Precalculus with Limits, a Graphing Approach: Fourth Edition
Houghton Mifflin Company, 2005

Teacher Expectations and Classroom Management:

- Students are expected to be seated BEFORE the bell rings and to be prepared (textbook, notebook, pencil, homework).
- Students are expected to act in a mature manner that includes respecting others, staying in your seat, participating in classroom activities, and abiding by all rules set forth in the student handbook.
- Students are expected to sit quietly without speaking or making inappropriate noises.
- Students are expected to stay on task, and detailed notes should be taken daily.
- Use a three ring binder. It keeps work neatly organized.
- Cheating will not be tolerated, and any student found cheating will receive a score of zero on his/her work and parents/guardians will be notified.
- Make-up, hairbrushes, or grooming is NOT to be performed during classroom instruction.

Failure to abide by these rules will result in disciplinary action.

Grading:

The grade for each nine-week period will be determined according to all points accumulated during that grading period. Points are earned through tests, quizzes, notebook quizzes, homework, classroom activities/projects, and any possible extra credit. Tests make up 50% of all possible points, while quizzes make up 25% of the possible points. Homework and activities make up approximately 25% of the possible points. Study Island may also be assigned to prepare for the Keystone Examinations

Grading Scale: A = 100-90% B = 89-80% C = 79-70% D = 69-60% F = 59-0%

Homework:

Students are responsible for nightly homework assignments.

- Homework will be checked daily.
- All work must be neatly shown and each problem attempted to receive full credit for an assignment.
- Assignments will be corrected and kept by students to study for tests/quizzes.
- When absent, students are responsible for collecting missed assignments from the assignments folder.

Tests, Quizzes, and Preparation:

A test will be given at the conclusion of every chapter. Each test may contain short answer, multiple choice, and open-ended questions. Several announced quizzes will be given throughout each chapter. **The best study tools are your notes and your homework!** Both tests and quizzes will be based on previously completed homework.

Tables, lists of formulas, symbols, properties, and rules are provided during classroom instruction, and are also located in the front and back of the textbook.

Computer Use:

Desktops and laptops may be used during this course. Students may only access the websites named in a particular assignment. Accessing unauthorized websites during classroom instruction will result in the following penalties:

- First offense – a score of zero on the current project.
- Second offense – a 5% reduction in the student's nine-week grade.
- Third offense – an additional 5% reduction in the student's nine-week grade and loss of computer privileges for the remainder of the school year. The student must find an alternative method of completing computer assignments.

Additional Help:

I am always more than willing to provide any extra help before, during, or after the school day. Math continually builds on prior knowledge, so it is essential to ask for help if you find yourself struggling with course material.

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I _____ have read and fully understand what is expected of me in
(print name)
the classroom setting. I will respect my teacher and fellow classmates. I will act in a mature
fashion that promotes the learning environment.

Student Signature _____ Date _____

Parent/Guardian Signature _____ Date _____