

SYLLABUS  
Trigonometry - Mrs. M. Beth Moore  
Spring 2011-2012

**Purpose:** The purpose of this course is to study topics of trigonometry that will be of use in other fields of study such as physics, chemistry, biology, business, economics, agriculture, engineering, etc.

**Text:** Larson Trigonometry, Seventh Edition, Holt McDougal, 2010 and Sullivan: Algebra and Trigonometry, Fifth Edition. Upper Saddle River, NJ, Prentice-Hall. Special WVU Edition

**Scope:** Trigonometry is a college prep class that incorporates Algebra 2 and Geometry prerequisites as it expands trigonometric concepts. Topics covered include radian and degree measure of the unit circle, trigonometric functions with emphasis on sine and cosine curves, trigonometric identities, laws of sine and cosine, vectors, complex numbers, exponential and logarithmic function properties and graphs, and analytical geometry with parametric and polar equations and graphs.

**Materials:** Students should come to class prepared -- with paper, notebook, pencil, and completed homework assignment – each day unless otherwise directed by the teacher.

**Absences:** Students are responsible for all instruction within the classroom. In the case of absence, it is the student's responsibility to visit Mrs. Moore's website @ [www.southharrison.com](http://www.southharrison.com) to see assignments and to gather the notes missed during that class period. Students have one day for each day missed to complete make-up work per county policy. Tests, which are announced, must be taken by all students present on the test date. Students absent on a quiz/test date must take the quiz/test upon the first day of their return to class.

**Grading:** This course utilizes the West Virginia State Grading Scale:

93 - 100	A
85 - 92	B
75 - 84	C
65 - 74	D
Below 65	F

Grades are computed on a point basis and then converted to percentage at the end of each grading period. The total number of points available varies with each grading period. Grades are maintained on the LiveGrades website. Students are encouraged to visit the site frequently to see their grades in progress. Students may earn points in a variety of ways, but not limited to:

**Tests:** After a unit is studied, a unit test, lasting up to the entire class period, will be presented. These tests will be cumulative in nature, thus covering any and all material studied. These tests are always announced, generally one week in advance of the testing date. Each grading period will have at least one test.

**Quizzes:** Quizzes are both announced and unannounced and may occur at any point within the grading period.

**Cooperative Activities:** Exercises will be given in which students will work with a group of their peers to discover, discuss, practice, and/or review concepts. Students will be graded on a good faith effort to participate with their group to complete these activities and may also be graded on obtaining the desired outcome.

**Worksheets:** Worksheets may or may not be graded assignments (some may be given as homework) and may occur at any point within the grading period.

**Extra Credit:** Extra credit work **may be** given. Nevertheless, the student should not rely on extra to improve his overall average.

**Problems of the Day:** Problems of the day will be presented at the start of each class. The student is to record the problem of the day in his notebook. The set of problems of the week will be collected each Friday. The students will have only a few minutes at the beginning of the class to answer the question.

**Labs:** Labs, both paper and on computer, will be assigned.

**Late Work:** Students should check LiveGrades frequently to see if any work is missing. The student has 1 week after a grade is posted on LiveGrades in which to complete the missing assignments with a twenty-five percent (25%) deduction. However, homework check solely for completion may not be turned in for a late grade.

STUDENTS NOT COMPLETING ASSIGNMENTS MAY FACE DISCIPLINARY ACTION!