

Geometry Course Outline 2011/2012

This is the second course of the New York State mathematics curriculum. A solid foundation of geometric concepts will be developed through coordinate, Euclidian, analytical and transformational geometry. Other topics covered include logic, proofs, parallel lines, congruent triangles and properties of polygons as well as an extension of algebra and probability. This course completes the topics covered on the Geometry Regents exam. Graphing calculator use will be introduced throughout the year. Students taking this course will take the New York State Geometry Regents exam in June. Successful completion of this exam is part of the requirement for a New York State Advanced Regents diploma.

There is a lot of information for this course available on my internet site. It can be accessed via the school website--teacher pages:

<http://www.goshenschoolsny.org/Schools/GHS/Websites/Math/RSanto/geometrylink.htm>

Daily homework, graph paper and worksheets are available there. In addition the textbook is online.

Prerequisites

This course is designed for students who have successfully completed Algebra and the Algebra Regents exam.

Homework

Homework is posted online and assigned daily. It is due the day after it is assigned. It will be graded using the following scale:

2 points if complete/correct.

1 point if partially complete/correct.

0 points if not done or completely incorrect.

If homework arrives incomplete or conceptually incorrect, students are given the opportunity to complete their work, for half credit, before the start of new material.

Calculators

Graphing calculator use is necessary for successful completion of this course. Students will be provided a graphing calculator for use in class. It is suggested that they invest in the Texas Instruments TI 84 graphing calculator for use outside of the classroom. Arrangements can be made for students unable to obtain an appropriate calculator.

Daily Expectations

Students are expected to:

- attend every class
- arrive on time
- arrive with the necessary tools
 - 1 notebook
 - 2 writing utensil
 - 3 homework
 - 4 text book
 - 5 calculator ***see above section on calculators.

Grading

Tests and quizzes are given on a weekly basis. Each grade is computed as follows:

$\frac{\text{score attained}}{\text{score possible}}$. At the end of the marking period the grade is computed as follows: %

$$\text{raw score} = \frac{\text{total of scores attained}}{\text{total possible points}}$$

Marking period grades will be weighted as follows:

- 15% Homework
- 85% Graded work

The final exam for the course is the New York State Algebra 2/Trig Regents exam. The final

The final grade for the course is a weighted average, with the midterm and Geometry Regents counting each 10% of the final average and each marking period counting for 20% of the final average.

Extra Help

In all, this will be an exciting, rewarding and **very busy** school year. There is **a lot** of material to cover. Extra help is available after school from Tuesday through Friday, period 10. If necessary, other arrangements can be made to accommodate special situations.

Questions, Comments or Concerns

Please do not hesitate to contact me with **any** questions, comments or concerns. The best method of contact is via email: **rsanto@gcsny.org**