New Canaan High School
11 Farm Road
New Canaan, CT 06840

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Mathematics   *Shannon Treglio*   *(203)594-4600*
(M3 Precalculus)   *Shannon.Treglio@ncps-k12.org*

Term: **Semesters 1 and 2, 2019-2020**

Extra Help: I am usually available for extra help before school almost every day and after schools on most Mondays, Tuesdays and Fridays until 3. Appointments are recommended as I might have a meeting, previous commitment or may not be in my room if I am not expecting anyone.

Course Description: This course develops the concepts of trigonometry and analytic geometry. Students wil functions and transformations, circular and periodic functions, the laws of sine and cos and rational functions, exponential and logarithmic functions, vectors in two and three conic sections, curve sketching, sequence and series, matrices and determinants, param polar coordinates, and an introduction to limits. A student successfully completing this recommended for Introduction to Calculus, AP Calculus AB and/or Statistics.

Goals of the Course: By the end of this course students will be able to:
- Create and analyze graphs of various types of functions
- Apply various functions to solve real world problems
- Analyze data and use this data to make future predictions
- Explain their work
- Use their graphic calculators to analyze functions studied in this course
- Find errors in sample work
- Work through challenging problems.

Required Materials: All students are expected to bring the following to class **everyday**:
- Pencil (pens are discouraged as you are expected to make mistakes in the learning process)
- Whatever system will work for you to keep all notes and handouts. This may include 3-Ring Binder, Spiral Notebook, or a Folder for handouts.
- Homework (assigned most nights)
- Graphing Calculator (no TI-89's or TI-Inspires)

Expectations:
- Students are expected to attend class every day, and to arrive to class on time prepared to engage in the lesson for the day with the appropriate materials as well as behavior. Students should always show respect for

each other as well as the teacher. We will all learn together and hopefully have a good time.

- Students are expected to participate in class, and to complete homework thoroughly and on time. All graphs are to be completed on graph paper. Late homework is not accepted unless there are extenuating circumstances.
- Students are expected to write emails keeping in mind that they are communicating with a teacher. It is not a text message to your friends and failure to do so might result in a lack of response. While I try to respond to e-mails as soon as possible, please give me at least one school day to reply.

Grading:

- All assignments including assessments are based on a point system. Daily home works and class works are worth 2 points based on completion (not accuracy), quizzes approximately 25 – 60 points and tests approximately 60-100 points. Projects will occur throughout the year and points will be clearly stated when assigned.
- In keeping with the academic honesty policy, **any** cheating on tests/quizzes/class work/homework will result in a zero for the grade for **all** participants.

Assignment Expectations: (late, makeup, etc.)

- If you have missed any assignment due to an excused absence, the grade will be entered as a zero until it is made up. There will be a comment saying missing if this is the case.
- For an excused absence during a test or quiz the student must make up or schedule the assessment within two school days otherwise the student should expect to complete the assessment during the next math class.   An unexcused absence will result in a zero for the assignment due that day as well as any assignments completed in class.
- There will not be individual retakes offered at any point during the year. If the entire class performs poorly on an assessment, then there will be either be a class retake or some other opportunity for students to display mastery of the material.
- If you are feeling unwell or have extenuating circumstances as to why you are unable to take an assessment, you need to come and discuss it with me **prior** to beginning a test or quiz. Once you have seen the test or quiz, your grade will be whatever you earn on that assessment.
- If students need to reschedule a test or quiz, the discussion needs to happen in person with the teacher at least one day prior to the assessment. An email the night before is **not** a guarantee that your request for an extension will be granted.

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- Students who qualify for extended time through an IEP or a Section 504 Plan need to finish any portion of an assessment on the same day they viewed the assessment either during a free period or after school. It is the student's responsibility to make these arrangements with the teacher at least one day prior to the assessment. Exceptions can be made for extenuating circumstances.

Math Help Desk:

Math Help Desk is new this year and will be an opportunity for students to ask math teachers questions. This is not a substitute for coming and seeing me for help. The expectation is that students will arrive with a question from a primary source and utilize 10-15 minutes for extra help.

Text, Resources: (if applicable)

Text: Precalculus by Roland E. Larson and Robert P. Hostetler
Due to the fact that the district is beginning to transition to utilizing Schoology, please be understanding of any time it takes me to adjust to posting material in the new platform.

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