What you will need for this class:
Graphing Calculator: TI-84 is best, TI-83+ also OK (silver is good, not essential)
3-ring binder (or spiral notebook) for math homework only
Pencils, eraser, ruler
Assignment Sheet (handed out in class)

Topics:
We will learn the classic topics of an Algebra II – Trig course, augmented with the extra visual representations made possible by the graphing calculator. We will solve complicated equations, define and utilize complex numbers, transform functions and their graphs, analyze the properties of various types of functions, including linear, quadratic, cubic, rational, exponential, logarithmic, and trigonometric. The entire spring quarter will be devoted to the study of trigonometry. Save the textbook; Chapters 9 and 10 will be studied next year in Discrete Math.

Homework:
Homework will be collected daily. A complete homework assignment will earn 2 points; a homework assignment with some work missing may earn 1 point; a homework with little work done is worth 0 points. Write your assignments on lined or graph paper, as appropriate; title them with date, page number and problem numbers. Show work! *Keep your notebook organized, and show work neatly.* I will collect your notebook to check it for organization and completeness every test day. Your homework average will count toward your grade; if you don’t do the homework, you will not pass the course.

Quizzes and Tests:
Quizzes will be short, tests will be full-period, and both will always be announced on the assignment sheet.

Final Exam:
You will take a two-hour final exam during the last week of school. Your score on this exam will be included in your third-quarter grade and will contribute about 15% of your final grade.

Attendance:
I expect you to attend class. If you miss class, it is your responsibility to keep up with the homework. If you cut a class, you get a zero for any quiz or test you miss that day. Repeated absence will reduce your grade.