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**Class Goals:**

This is a college level course and is not required. This course is intended for students who are interested in a math or science based major in college. It will prepare you for those college entrance exams.

This class will require you to work hard, follow directions, pay attention, participate, and communicate. If you hold up your end you will be amazed at the results!

**Class Materials:**

**Needed every day:**

Computer  
Pencil  
Pen  
Loose leaf paper  
All class notes  
All class handouts

**Needed on occasion:**

Calculator  
Graph paper  
Ruler

**Content:**

During the first semester we will cover chapters 6 through 9. Those topics include chapter 6, Trigonometric Functions, chapter 7, Analytic Trigonometry, chapter 8, Applications of Trigonometric Functions, and chapter 9, Polar Coordinates. You will take a semester exam and it will count for 20% of your semester grade.

During the second semester we will cover chapters 10 through 13, 5 and 4. Those topics include chapter 10, Analytic Geometry, chapter 11, Systems of Equations and Inequalities, chapter 12, Sequences; Inductions; the Binomial Theorem, chapter 13, Counting and Probability, chapter 5, Exponential and Logarithmic Functions, and chapter 4, Polynomial and Rational Functions. You will take a semester exam and it will count for 20% of your semester grade.

**Grading:**

20% Homework

- Homework will be based on correctness.
- You must show all your work on your homework. You will not receive credit for an assignment without work.
- You must use a pencil on your homework.
- Your name, the lesson, and the assignment will be written at the top of your paper. Papers without this information will be put on the board. You have until the end of the chapter to claim them for full credit. It is your responsibility to get the missing information on your paper. At the end of the chapter all unclaimed papers will be thrown away and zeros will be given.

#### 40% Quizzes

- All quizzes must be finished by the end of the day if you started it in class. If you are absent you will have two days to take the quiz but you must finish it the same day you start. After the deadline it will be graded as is.
- You must show all your work on quizzes. You will not receive full credit on a problem without work.
- You must use a pencil on quizzes.

#### 40% Tests

- All tests must be finished by the end of the day if you started it in class. If you are absent you will have two days to take the test but you must finish it the same day you start. After the deadline it will be graded as is.
- You must show all your work on tests. You will not receive full credit on a problem without work.
- You must use a pencil on tests.

#### **Grading Scale:**

94-100	A	85-89	B	70-79	C	60-69	D	0-59	F
90-93	A-	80-84	B						

#### **Classroom Rules:**

- Be respectful to teachers, classmates, and yourself.
- Come prepared to class.
- Give your best effort every day, all day.

Cell Phone Policy: All cell phones, MP3 players, and other handheld electronics will be placed on the side counter at the beginning of class and can be picked up at the end of class. If you get caught with a device after class starts I will keep your device for the rest of the day. If your device is taken away more than two times I will turn it in to Mr. Dorethy.

MacBook Policy: We will be using the MacBook on a regular basis. When you enter the class you must sign into my class in order for you to be marked present. When we are using the computers you must be following along at all times. If you fail to stay on task you will have consequences. If we are not using computers then they are to be kept in your backpack. You will have the opportunity to earn music during work time. You will not be allowed to play games or watch videos during class. If you violate this policy you will not be allowed to have your computer out during class. If this is a reoccurring problem you will be sent to Mr. Dorethy.

Make sure you check my website (the address is at the top of the first page of this syllabus) daily! I post almost everything on my website including notes, homework assignments, helpful hints, extra credit opportunities, etc. When you are absent (planned or not) please check the website so you are not as far behind when you return to class.

If you know you will miss class it is your responsibility to get the assignment from me. Depending on the situation, the assignment may be due before you leave or on the day you return to class. If you do not know in advance of an absence you will have 2 days to turn in the assignment.

You may not leave the room to go to your locker, get a drink, use the restroom, etc., until work time (unless it is an emergency). In other words, once you are in class, you stay in class.

The times to get help on homework or ask me questions are RTI, study hall, and after school. Do not ask me during passing periods.

If you understand a concept, please help others. The best way to learn is to teach someone else. But, do not teach when I am teaching.

Please do not hesitate to ask questions during class. I will do whatever I can to help you learn if you are willing to put in the effort.