



VALLEY Christian School

Be transformed by the renewing of your mind. Rom. 12:2

Course Name: Advanced Mathematics (Trigonometry)

Prerequisite:

C or better in Saxon Algebra II

Textbook:

Saxon: Advanced Mathematics, Second Edition.

(Valley Christian School will supply the text with a \$50 refundable deposit upon the return of the text in like condition.)

Summary:

The course continues on from Algebra II, and starts early with logarithms. Special emphasis is given to the algebra of logarithms. Also included in this course are exercises on trigonometry, trigonometric equations, trigonometric identities, equations and graphs of sinusoids, matrices, determinants, arithmetic and geometric series, conic equations, roots of higher-order polynomial equations, and functions, including curve sketching.

Supplies needed:

No. 2 Pencils – mechanical is great

Large pink eraser

Pocket folders

Ruler with English and metric increments

Protractor – transparent

Compass- STAEDTLER Geo Master Compass (Available at Michael's Craft store.

Please only bring a Staedtler compass to class!)

Calculator: Texas Instrument, non-graphing! (TI-30(xx))

Grading Information:

Tests (66.67%) Students need to complete tests WITHOUT the help of other people (including parents), previous homework, notes, or textbook. SHOW ALL WORK...partial credit is given and NO credit will be given for a correct answer and no work.

Homework (33.33%) Students are assigned homework to learn concepts and to get practice. A good effort is expected. Diligently try ALL problems and SHOW ALL WORK. You may ask anyone for help with homework. Your goal is to understand what you are doing and be able to remember it with practice!!

Participation/ Attendance You are enrolled in this class to receive help learning from your teacher...BE HERE!

Late work will drop 1/2 of the points! Grading Scale: Students will be given a percentage grade.

Guidelines for Success: Since this class is the foundation of any future math classes, completed homework, class participation and attendance is extremely important.

- **Class participation/ attendance:** Students will demonstrate participation by asking/ answering questions, taking notes, and doing class work. Be **on time** and prepared for class
- **BE DISCIPLINED TO DO ASSIGNED WORK THROUGHOUT THE WEEK!! DON'T WAIT UNTIL THE DAY BEFORE CLASS TO DO ALL HOMEWORK AND TEST. YOU WILL NOT DO WELL!!** You should do one homework lesson or test a day. Then turn in when due.
- **Learn to be organized!!!!**

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