

CORE 3 - ALGEBRA WITH TRIGONOMETRY

Course Syllabus

Mr. Page
Room C208



Course Description: Algebra with Trigonometry is the third course of the math program. It is intended for the student who has completed Geometry with Intro to Probability & Statistics. The course will cover such topics as; summation notation, asymptotes, rational expressions & relations, multivariable expressions, laws of sine & cosine, linear programming, linear & quadratic systems, functions, normal distributions, surveys & sampling, inferential statistics, properties of parallelograms, geometry of function graphs, inductive & deductive reasoning, angle relationships with intersecting lines & parallelism, congruence of triangles, correlation, least squares regression or residuals, Hamiltonian paths & circuits, voting models, binomial probability, quadratic formula, and factoring with applications.

Instructional Philosophy: Class work and homework are formative assessments, practice, which give indicators of learning and can show where the student stands in relation to the lessons. Lessons are designed to be in alignment with course curriculum and state standards. The quizzes are the summative assessments which, as it sounds, sum up the students work allowing for the students to show their comprehension and retention of the materials covered. Math is a difficult subject for many people. It is a subject which is essential to understand in order to enter into higher education or to be able to be competitive in the job market. Students often ask “when will I ever need this”. Well considering that most people haven’t a clue as to what their futures hold, having a well rounded education opens many doors that would otherwise be inaccessible. Strong math skills open possibilities... Homework will not be assigned unless the class work has not been completed in the time allotted. I prefer to be able to give immediate feedback and monitor their progress while they complete the class work.

Course Assessment Plan: Each marking period consists of 3 quizzes. Each quiz will be almost 1/3 of their quarter grade. Example on how to calculate the quarter grade: If the quiz grades are 17/20, 18/25 and 23/26 where the top number is the number correct and the bottom number is out of value sum the top numbers together and the bottom numbers together. $\frac{(17+18+23)}{(20+25+26)}$ Your grade would be 58/71 (81.69%). There will not be a quiz the last two weeks prior to the quarter exams. You can choose to retake any of the three quizzes each marking period as often as needed however, keep in mind, the last grade is kept even if it is lower and all retakes and make-ups **must be** made prior to the last week of the quarter. Retakes are only available after school during the days that I post. You may attempt a retake before school between 7:30 and 7:55 a.m. however, you cannot return to the quiz to finish at a later date or time and I cannot give excuse to miss homeroom. I am not in my room during homeroom. Retakes are not given during class since it will cause the student to miss a day of lesson and cause me to take too much time away from the rest of the class. I do not offer extra credit nor do I bump grades.

Classroom Expectations: Students are expected to adhere to all state, district, school and classroom rules, policies and procedures at all times.

Classroom policies and rules.

- All trash is to be thrown away before leaving the classroom. All supplies borrowed are to be returned to their proper place.
- Talking is authorized except during quizzes, tests or when the teacher is lecturing unless permission has been given. Talking must be kept to a low hum as to not become an annoyance to classmates or other classrooms.
- All purses and bags are to be placed on the floor in front of or below your desk. No purses or bags are to be kept in the laps or on top of the desks.

- Bullying in any manner will not be tolerated. It is good to keep with the old sayings that “if you have nothing good to say about someone say nothing at all” and “keep your hands and feet to yourselves”.
- Students are to never touch anything on or around my desk, in my closets, or go behind my desk at any time.
- No food or drink, No candy or gum allowed. (*exception, mints and water*)
- Proper respect for others is required at all times. I do not tolerate disrespect or insubordination, violators of this rule will be required to leave the classroom immediately.
- Restroom breaks are given at the end of class or after I am finished lecturing. I will not give out bathroom passes while I am speaking to the class unless an emergency. Please try to make it to the restroom between classes and during lunch. Bathroom passes will be limited to 5 minutes. Only one student of each gender out at a time, one total during tests or quizzes.
- Students are to arrive to class before the bell and not get up to leave class until the bell rings.

Supplies and Materials Needed: You will need to bring paper and pencil to class everyday. You will need to keep a notebook or binder containing proof of all class work that is kept the entire marking period. These will be needed for any parent teacher conference. Books and calculators will not be issued; a classroom set will be used. Students needing to borrow a textbook or calculator will be temporarily issued one on a need by need basis. Students out sick can have a book sent home through guidance. Students may buy their own calculators; it must be a TI-83, TI-83+, TI-84 or TI-84+ graphing calculator.

Grading Scale: CRHS uniform grading scale:

A	92-100	D	70-75
B	85-91	F	0-69
C	76-84		

Mp – Marking Period *Qe* – Quarter Exam *Fe* – Final Exam

$$\frac{\left(\frac{2 \times Mp1 + 2 \times Mp2 + \left(\frac{Qe1 + Qe2}{2} \right)}{5} + \frac{2 \times Mp3 + 2 \times Mp4 + Fe}{5} \right)}{2} = \text{Final Grade}$$

Extra Help: During my extended days or mornings before homeroom. Days TBA

Contact Information: Parents may contact me by phone or email. I will respond to all e-mails and phone calls within 48 hours. I will send a progress report upon individual request but do not e-mail regular progress reports on a routine basis.

Teacher: Mr. Page

Email Address: christopher.page@cr.k12.de.us

Phone Number: (302)697-2161, ext. 3208

Online: <http://www.mrpage.us> or <http://www.caesarrodneyhs.com>

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