

Fairview High School
Mr. Morrison
Algebra II Trig

Welcome to Algebra 2. In this class, we will be covering a lot of topics, including exponents, higher degree polynomials and factoring to name a few.

There are a few things you should have with you to perform your best in this class:

- 3 ring binder
- Loose leaf paper
- Pencil
- Graphing calculator (TI-84 is ideal, TI is preferable to Casio)

A graphing calculator is required for this class as stated in the course description below:

Algebra II/Trigonometry

Course Number	430	Credit	1.0
Grade	10-11	Length of Course	Year
		Prerequisite	Geometry

Description: This third year course in the college prep sequence studies linear, quadratic functions, polynomials and trigonometry. Real world modeling is emphasized. Graphing calculators are required.

Calculator: In the past, there have been students who tried to get by without a graphing calculator. While there are units where a scientific calculator would work just fine, there are others where a graphing calculator can turn a 15 minute problem into a 3 minute problem. On tests, having that extra time is a very big deal. I know they are expensive but you will get your money's worth out of them. eBay, Craigslist, OfferUp, etc. can be good places to find one if you get lucky. Part of this course is learning to use graphing calculators so they will be necessary for your success.

Text/Google: You will be assigned a textbook for the course and I will communicate when you will need to bring it to class. You will also be automatically enrolled in Google Classroom for our course; you should look there for updates and assignments.

Homework: Homework will be assigned regularly and will be due the next day. Based on how much time we have that day, homework may be turned in or graded in class. Homework will generally be worth 10 points. The math department will be following a zero-tolerance policy for assignments that are not turned in when due. If an absence is excused, the student will have two days to complete the assignment and turn it in per the student handbook. If the absence is unexcused or the homework is not turned in for any other reason, a 0 will recorded in the grade book.

Quizzes/Tests: Quizzes will typically be worth about 25 – 30 points and tests will be worth around 60 – 70. All quizzes and tests must be made up, preferably as soon as possible after the absence. The longer you wait, the less you will remember when you take it. So don't put it off!

Phones: Phones should not be used in class and will not be allowed on quizzes or tests. We will follow the school policy on phones that is currently being developed by administration.

Academic Dishonesty/Cheating: Academic dishonesty in any form will not be tolerated. The protocol for any occurrence will be that which is listed in the student handbook:

DEFINITION OF CHEATING AND PLAGIARISM

Cheating involves any of the following observed actions:

1. Using another person's work as your own.
2. Copying information (or allowing someone to copy your information) from another's test, examination, theme, book report or term paper.
3. Preparing to cheat in advance of a quiz, exam or in-class writing with such things as:
 - a) Having in your possession a copy of the test to be given by the teacher.
 - b) Using unauthorized notes, references or devices during the test, examination or written essay.
 - c) Talking while taking quizzes, tests or examinations.
 - d) Failing to follow test procedures or instructions announced by a teacher (such as no talking, no turning around in seat, raise hand to ask questions, or **any** instructions given by the teacher.)
4. Plagiarizing means, to use purposely as your own, **any** other person's idea, expression or words without giving the original author credit through citation or footnote. This includes encyclopedias. (For elaboration, see the [Fairview High School Style Manual](#).)

CONSEQUENCES OF CHEATING OR PLAGIARISM

1. The first offense will result in failure of the quiz, test or homework. A score of zero will be recorded and parents will be notified by the teacher.
2. The second offense within a quarter may result in failure of the quarter.
3. If cheating continues in class, failure of the course will result.
4. Plagiarism on a major project, e.g. term paper, short story or portfolio, will result in the failure of the course. The student may appeal to the department chair, or designee, of the respective department. This decision is final.
5. Cheating will be reported to the Associate Principal and appropriate action will be taken.

Topics: First semester topics will include:

- Solving linear equations and inequalities
- Solving absolute value equations and inequalities
- Lines in standard, slope intercept and point slope form
- Graphing linear inequalities
- Systems of equations
- Graphing quadratic equations
- Factoring
- Simplifying radicals
- Quadratic Formula

- Complex/Imaginary Numbers

Second semester topics will include:

- Simplifying exponential expressions
- Graphing exponential equations
- Finding rational roots (via the rational roots theorem)
- Solving equations with rational exponents
- Inverse Functions
- Trig
- ACT Preparation (All juniors will take the ACT in early spring)

Grades: We will be using the same grading scale as most teachers here at Fairview High School:

93-100	A
90-92	A-
87-89	B+
83-86	B
80-82	B-
77-79	C+
73-76	C
70-72	C-
67-69	D+
63-66	D
60-62	D-

Please also note that the final grade will be the average of the four quarters.

Tutoring/Help: 8th period is the best time to come in for help if you feel yourself starting to fall behind. That period is like last year's 1st period in that it is often set aside for office hours. If you are not available during that time, I may be able to work around your schedule so please see me as soon as you can.

Please cut/tear along the line above, sign below and return to Mr. Morrison

I have read the syllabus and understand the policies and procedures in place.

Student Name _____ Parent Name _____

Student Signature _____ Parent Signature _____

Date _____ Date _____