

ALGEBRA II/TRIGONOMETRY HONORS

COURSE EXPECTATIONS MRS. MINSER -- CORONADO HIGH SCHOOL

COURSE SCOPE:

This rigorous one-year course in algebra continues and expands upon the concepts and procedures learned in Algebra I H and Geometry H. Emphasis is on the study of polynomial, exponential, logarithmic, and trigonometric functions, systems of equations and inequalities, matrix algebra, sequences and series, conic sections, and proof of mathematical conjectures. Connections to other areas of mathematics and applications to other disciplines are integrated into the course. The use of technology, including graphing calculators and computer software, is an integral part of this course. This course fulfills one of the mathematics credits required for high school graduation.

COURSE GOALS:

1. To understand and use the basic vocabulary and notation of mathematics.
2. To develop the ability to reason and communicate mathematically in order to apply learned concepts to new problem-solving situations.
3. To solve real-world problems using algebraic and graphing techniques involving linear, quadratic, and absolute value equations and inequalities.
4. To solve systems in two or three variables by graphing, algebraic methods, and matrices.
5. To perform operations on, solve, and graph polynomial, exponential, and logarithmic functions and their inverses.
6. To perform operations on, solve, and graph rational functions and expressions.
7. To identify, graph, and write equations of conic sections.
8. To investigate finite and infinite sequences and series.
9. To explore trigonometric functions, their inverses, and angle relationships.
10. To prove and apply trigonometric identities.
11. To create mathematical models from data for analysis and prediction.
12. To prove algebraic conjectures using properties of the real number system.

COURSE OUTLINE:

First Quarter: Algebra Review, Chapters 1 – 4

Second Quarter: Chapters 5 – 8, Semester Exam review, Semester Exam

Third Quarter: Chapters 9 – 12

Fourth Quarter: Chapters 13 – 16, Semester Exam review, Semester Exam

TEXT:

The textbook used for this course is Algebra 2 and Trigonometry by Benson.

REQUIRED MATERIALS:

Everyday you will be required to bring to class your assigned textbook, your Cougar planner, your Algebra II/Trig Honors materials (spiral graph notebook and folder / binder), your homework, pencils, pens (red / green), and a calculator. Graphing calculators are recommended.

EXTRA HELP:

I am available for extra help before and after school almost every day. Occasionally I will have meetings or parent conferences, so you may want to check with me first.

GRADING PROCEDURE:

Grades are determined by the number of points **you** earn per quarter.

Homework will be assigned and reviewed daily. It must be done on standard notebook / graph paper. Your name, the date, and the assignment number should be located on the **upper right-hand side**. Homework is graded on a scale of 0 to 5. Homework must be neat, organized, and legible or points will be deducted. Homework will be graded in one of two ways. Either the homework paper will be collected or there will be a homework quiz. Please note that grading of homework is somewhat subjective.

If the homework paper is collected, I will be looking for the following:

- A “5” is a paper that is neat and easy to read, the problems assigned are all attempted, each problem is written out, diagrams are included, and all of the work is detailed. This paper represents outstanding effort.
- A “4” is a paper that is mostly complete ~ a few problems have not been attempted and / or the work is not detailed or not all diagrams are provided. This paper represents above average effort.
- A “3” is a paper that is only half done ~ only half of the problems have been attempted and / or only half of the work has been detailed. This paper represents average effort.
- A “2” is a paper that is less than half done ~ less than half of the problems have been attempted and / or less than half of the work is detailed. This paper represents below average effort.
- A “1” is a paper that has just barely been started ~ only a few problems have been attempted and / or very little work is detailed. This paper represents minimal effort.
- A “0” is a paper that shows only answers with no detailed work, appears to be copied, and / or has not been attempted.

Each homework quiz will require you to refer to problems from previous homework assignments. You will be asked to provide a diagram (if required), your detailed work for the problem, and the correct answer to the problem. Each problem on the quiz will be graded on a five point scale in the following manner:

- 1 point for the diagram
- 3 points for detailed work, complete and thorough
- 1 point for the correct answer

Points will be deducted if the problem is not neat or legible.

Late assignments will not be accepted.

Tests are given at the end of every chapter. They will be announced and they are usually worth 100 points. Tests must be taken in pencil or five points will be deducted from your score.

Quizzes, both announced and unannounced, usually worth 10 - 30 points each, will be given often. They will cover the material of the previous day or previous two days. Make sure you keep up with the material and homework.

Your final grade:

A	90% of total points	-----	100% of total points
B	80% of total points	-----	89% of total points
C	70% of total points	-----	79% of total points
D	60% of total points	-----	69% of total points
F	59% of total points or less		

Your quarter grade:

10%	- Vocabulary quizzes and Notebook checks
20%	- Homework
70%	- Tests and Content quizzes

If you are absent you are responsible for getting the make-up work. If you miss a test or quiz, you will be expected to take the make-up on the day you return to class. Please be prepared. All make up work for a chapter is due before you take the chapter test. Chapter tests must be made up before the next chapter test.

You will need your Cougar Planner everyday. You should always write the section covered, the objectives and the homework assignment in your planner. You will also need your planner in order to leave the class to go to the restroom, etc. The planner must be your planner, not the planner belonging to your neighbor or friend.

You are required to keep a spiral graph notebook and a folder/binder. Your spiral graph notebook is for your daily notes and should be a thorough account of the material covered in class. Each day your notes should start with the date and the section covered. The folder/binder should contain all returned papers such as homework, quiz papers, and vocabulary, as well as general papers such as this course expectation sheet. There will be at least one notebook/planner check per quarter. **You are responsible for including notes and homework for the days that you are absent.**

Vocabulary will be given for each chapter. The day before the chapter test a vocabulary quiz will be given. The quiz will cover the vocabulary words from the chapter. If you are absent, this vocabulary quiz will need to be made up upon your return to class.

All work should reflect correct spelling and grammar.

Semester exams will be given at the end of each semester. The exam will be 20% of your semester grade. The exam will cover all material discussed during the semester. The semester exam grade will appear on your report card at the end of the semester.

Citizenship grades are given quarterly and are subjective. This grade is based on my evaluation of you as a cooperative, contributing member of this class. Things considered are attitude, attention, punctuality, courtesy, behavior, participation, and preparation.

Current attendance and grades will be available online through ParentLink on the Coronado web page. It is your responsibility to check your grade, look for missing assignments, and check for errors. If you do not notify me, I will assume that you agree with the posted grade.

CLASS RULES:

Timeliness Is Expected!! You must come to class on time. The Coronado tardy lock-out policy will be enforced. Five tardies will result in a required parent conference.

If you are late to class, no hall passes will be issued.

You will be quiet and orderly during class. It is expected that all persons in this class will be polite and courteous. You should treat all others with **respect** and fairness. This also applies to property that belongs to either the school or others.

No use of obscene or improper language.

Come to class prepared. You will need your book, spiral notebook, folder/binder, calculator, paper, pencils, and homework **everyday.**

There will be time to work on assignments during most class periods. Use this time wisely to get your work done or to get extra help, if needed.

NO CELLPHONES ~ NO EXCEPTIONS!

Water is the only food or drink allowed in class. Please have it in a spill-proof container.

All rules of Coronado High School apply in this classroom.

WEB SITE:

My website is accessible through a link on the Coronado home page or at <http://www.myteacherpages.com/webpages/DMinser/>
The site includes a calendar listing all assignments, the list of vocabulary words for the chapter, and occasionally extra credit.

ACHIEVING SUCCESS:

To achieve success in this class, **good attendance is necessary**. It is also necessary to **study**, and that does not mean just doing your assignment. I am ready and willing to help you. If you get lost, are absent, or just feel like you need extra help, do not wait until it is too late!! Do not be embarrassed to ask for help.