

PreAP Algebra II

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Tutorials: When?
Where? ROOM 226

Welcome to Pre-AP Algebra II! This course is a key component in your mathematics foundation. As a result, it is imperative that you successfully learn the concepts presented in this class. Your success in Pre-AP Algebra II depends on your willingness to be challenged and on how well you develop the self discipline to complete your work, and ask questions when you do not understand. I expect your best effort at all times. If you do this, we will have a great year.

SUPPLIES:

Binder
8 dividers with tabs: Labeled Unit 1 to Unit 8
Loose leaf notebook paper
Pencils
Highlighter
* TI-N-SPIRE Calculator CX

* I have a classroom set of calculators. These can be checked out on an occasional basis, but must be returned the next morning.

CURRICULUM:

Unit 1: Linear and Absolute Value Function
Unit 2: Solving System of Equations and Inequalities
Unit 3: Quadratic Functions
Unit 4: Quadratic Equations and Complex Numbers
Unit 5: Polynomial Functions
Unit 6: Rational Exponents and Radical Functions
Unit 7: Exponential and Logarithmic Functions
Unit 8: Rational Functions

You will be required to represent functions in multiple ways; Graph functions manually and using technology. Use tables to graph functions and write equations of functions. You will learn how to transform functions. You will solve equations using each function and apply each function to real-life applications. You will learn how domain affects the range and how to represent the domain and range in multiple ways. Each function covered will be used with future functions.

TEXTBOOK:

Big Ideas Math Algebra II - (I have a classroom set. There is an online textbook <https://www.bigideasmath.com> for use at home. Each student will receive a username and password. Also, you may use technology to take pictures of assignment pages from the book, if you do not have computer access at home.)

GRADING:

Tests		Daily Work		Cycle Grade
60%	+	40%	=	100%

Cycle 1		Cycle 2		Sem. Final		Sem. Grade
40%	+	40%	+	20%	=	100%

Daily Work

- 1) Homework/Classwork Assignments
- 2) Quizzes
- 3) Check Grades
- 4) Notebook Grades

Tests:

- 1) Exams
- 2) Projects

* Some assignments will be accuracy grades while others are just check grades.

Check Grades:

√ = Indicates all problems attempted and assignment completed on time

--- = Assignment partially completed or late

Φ = Less than half completed or missing

These check grades will accumulate into 2 daily grades. At the end of the 9 weeks, a student will have a 100 if there were no ---'s or Φ's. Each --- will count off 2 points and each Φ will count off 5 points. Short quizzes, in-class assignments, lab activities, and notebooks will also receive numerical grades and count as daily grades. Most homework will also receive a numerical daily grade.

Daily Work:	Students who conscientiously work out their assignments and ask questions when they don't understand tend to perform better when test time arrives. Assignments with only answers shown will receive a maximum grade of 50 or Φ.
Quizzes:	Short quizzes will be given from time to time either paper/pencil, calculator, or Kahoot. Numerical grade will be given.
Tests:	Tests are summative in nature. Most will be multiple choice with all work shown. If proper work is not shown, there will be a 20 point deduction off of the grade. Students who complete their assignments usually do just fine on exams. If you desire an A in this course, you must perform well on exams.
Absences:	Attendance is key to receiving proper instruction. When you miss, it is your responsibility to get the notes and or assignments missed.

Appropriate Behavior:

- 1) Use proper language at all times. Profanity will not be tolerated in this classroom.
- 2) Show respect for all school property. (Do not write on the desks, calculators, texts, or teacher supplied materials.)
- 3) School policy will be followed in regards to technology use in the classroom. (i.e. cell phones, tablets, computers, ipods)
- 4) Take care of your personal business (i.e. makeup, restroom) between classes. You will receive a card for 3-passes per 9 weeks. These can be turned in at the end of the nine-weeks for bonus points.

It is my utmost desire for you to be successful in Algebra II and develop an appreciation for mathematics. I am here to be your tour guide on this journey. Let's have a great trip!