Algebra 1

Romeo High School
2023-2024 School Year

Course Description

Algebra I aims to deepen and extend student understanding built in previous courses by focusing on developing fluency with solving linear equations, inequalities, and systems. These skills are extended to solving quadratic equations, exploring linear, quadratic, and exponential functions graphically, numerically, symbolically, and as sequences, and by using regression techniques to analyze the fit of models to distributions of data.

Instructor Contact and Communication

Please visit our website for information regarding your specific teacher's information including contact information, communication, website, learning management system, availability, etc.

- [9GA Staff Directory](#)

Materials

CPM online textbook
Other Materials

- Folder/Binder
- Spiral Notebook
- Charged Chromebook
- Pencils and pens
- Colored Pencils and highlighters
- Graph Paper
- Scientific Calculator (Graphing Calculators are allowed)

Curriculum

Curriculum Essentials - The following are the main topics students will be learning in this course throughout the year:

- Representations of linear, quadratic, and exponential relationships using graphs, tables, equations, and contexts.
- Symbolic manipulation of expressions in order to solve problems, such as factoring, distributing, multiplying polynomials, expanding exponential expressions, etc.
- Analysis of the slope of a line multiple ways, including graphically, numerically, contextually (as a rate of change), and algebraically.
- Solving equations and inequalities using a variety of strategies, including rewriting (such as factoring, distributing, or completing the square), undoing (such as extracting the square root or subtracting a term from both sides of an equation), and looking inside

(such as determining the possible values of the argument of an absolute value expression).
- Solving systems of two equations and inequalities with two variables using a variety of strategies, both graphically and algebraically.
- Representations of arithmetic and geometric sequences, including tables, graphs, and explicit or recursive formulas.
- Use of exponential models to solve problems, and to compare to linear models.
- Investigation of a variety of functions including square root, cube root, absolute value, piecewise-defined, step, and simple inverse functions.
- Use of function notation.

Routines and Procedures
School Routines and Procedures
All RHS students are expected to:
- Arrive to class on time with all appropriate materials
- Be an active participant and learner
- Be a respectful member of the class
- Be responsible with your time, materials, efforts, assignments, etc.
- Follow all classroom rules

Student Behavior
 Newest document located here under Document tab: **RCS Parent/Student page**

Grading & Retake Policy
Semester Grades
Semester grades will represent a continuous collection of grades, allowing for more time to have more summative grades to be used to calculate each grade. Midterms and finals are a part of the summative grade. RHS does not employ or record quarter grades.

80/20 Weighted Scale
Summative assessments (tests, projects, mid-term/final exams, etc.) will account for 80% of the final semester grade, and "other" (homework, quizzes, etc.) will account for 20% of the final semester grade.

Retake Policy
The RCS grading standards for grades 6-12 were updated in the spring of 2023 and went into effect at the beginning of the 2023-2024 school year (Grading Standards Letter: August 2023). Retakes are at the discretion of the teacher and will not be offered at the high school level except under special circumstances. Students need to be prepared for all assessments.

With Algebra 1 being such a foundational subject, and students having this class every day, the Algebra 1 students will be allowed an opportunity to retake *most summative assessments if teacher expectations are met. The process for re-assessment requires:

1) All "other" assignments must be completed with a score of 60% or higher prior to the original test.
2) Test corrections are to be completed.
3) Other requirements made by classroom teacher must be met

*Summative assessments not eligible for a retake:
- Semester/final exam
- Team Assessments
- Pre & Post Tests

Grading Scale

A	93 - 100%	B+	87 - 89%	C+	77 - 79%	D+	67 - 69%	F	0 - 59%
A-	90 - 92%	B	83 - 86%	C	73 - 76%	D	63 - 66%		
		B-	80 - 82%	C-	70 - 72%	D-	60 - 62%		

GPA Calculation - Standard 4-point grading scale:

A	4.0	B+	3.3	C+	2.3	D+	1.3	F	0.0
A-	3.7	B	3.0	C	2.0	D	1.0		
		B-	2.7	C-	1.7	D-	0.7		