

Math 3A – College Algebra & Math 4A – Trigonometry Syllabus

(Reedley College Dual Enrollment)

“Pure mathematics is, in its way, the poetry of logical ideas.” - Albert Einstein

Instructor: Mr. Joe Schuster, Dinuba High School – Dinuba, CA

Textbook: Lial et al. College Algebra, 12th ed. Houghton Mifflin: New York, 2019.

Lial et al. Trigonometry, 11th ed. Houghton Mifflin: New York, 2019.

Objectives

- To master all of the College Algebra and Trigonometry standards as determined by Reedley College.
- To prepare students to take calculus at the collegiate level.
- To increase student confidence and performance in mathematics.
- To promote critical and independent thinking.

Grading

Each student's grade will be based on their relative scores in each of the weighted categories shown below on the left. Below and on the right is the overall percentage breakdown.

Grades		Overall Grading Percentage
• Homework	15%	A = 90% +
• Quizzes	15%	B = 80% – 89%
• Exams	50%	C = 68% – 79%
• Midterm/Final	20%	D = 55% – 67%
		F = 0% – 54%

Contact

If for any reason you need to contact me, you may:

- Call me at: (559) 595 – 7220 ext. 2536
- Google Classroom add code: 1yefn1
- E-mail me at: joseph.schuster@dinuba.k12.ca.us
- Twitter: @SchusterMath

Homework: Homework is a vital part of an education in mathematics. It allows the student to practice and achieve mastery over the skill learned in class. Homework will be assigned each day, including Fridays. To receive full credit for assignments, ALL work must be shown and assignments must be turned in on time. No credit will be issued for late work.

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Quizzes: We will have approximately one quiz for each week. Quizzes may be announced OR unannounced.

Tests: We will have one culminating test per unit. These can have multiple choice and/or free response questions. Your lowest test will be dropped from your grade after the final in each semester.

Midterm/Final: We will have a midterm exam at the end of the first nine weeks in each semester, and a final exam at the end of each semester.

Student Responsibilities

- Students are expected to attend class regularly and arrive on time.
- Students are expected to be prepared for class each day, with materials needed to successfully participate (paper, pencil, binder, and agenda are minimum expectations).
- Students are expected to participate in class. This includes taking notes during the daily lesson and keeping those notes in the Mathematics section of their binder.
- Write the daily homework assignment in their agenda or check the Google Classroom for the assignment.
- **Make-up work:** Students have one day to make-up homework for each day absent. It is the student's responsibility to ask for missed assignments. Students with scheduled absences must get their assignments in advance and turn it in on time. Students have one week to make up quizzes and tests.
- **Academic Dishonesty:** If you are suspected of cheating on **any** assignment you will receive a zero on the assignment and a referral to the assistant principal. This includes copying work of others on homework, projects, or assessments.
- Finally... **YOU ARE EXPECTED TO STUDY ON YOUR OWN TIME!!!** If you expect to do well solely off of your in-class time, you are mistaken. This is a college course, and as such it requires that you spend time outside of class studying!

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Math 3A – College Algebra Course Outline

<u>Unit</u>	<u>Approx. Time in Unit</u>	<u>Topics</u>
R	1 Week	Review of Basic Concepts
1	2 Weeks	Equations and Inequalities
2	2 Weeks	Graphs and Functions
3	2 Weeks	Polynomial and Rational Functions
4	2 Weeks	Inverse, Exponential, and Logarithmic Functions
5	3 Weeks	Systems and Matrices
6	3 Weeks	Analytic Geometry
7	2 Weeks	Further Topics in Algebra

Math 4A – Trigonometry Outline

<u>Unit</u>	<u>Approx. Time in Unit</u>	<u>Topics</u>
1	1 Week	Trigonometric Functions
2	2 Weeks	Acute Angles and Right Triangles
3	2 Weeks	Radian Measure and the Unit Circle
4	2 Weeks	Graphs of the Circular Functions
5	3 Weeks	Trigonometric Identities
6	3 Weeks	Inverse Circular Functions and Trigonometric Equations
7	2 Weeks	Applications of Trigonometry and Vectors
8	2 Weeks	Complex Numbers, Polar Equations, and Parametric Equations

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NOTICE: By signing below, you have indicated that you have read the above information and acknowledge that these expectations are to be met in order for your student to be successful in this class.

Keep the first page of the syllabus and the outline above as a reference, but please sign and return this portion by the end of the first week of school.

Print Student Name

Student Signature

Date

Print Parent/Guardian Name

Parent/Guardian Signature

Date