

### Course Information

Semester & Year:	Fall 2019
Course ID & Section #:	E7307 – College Algebra
Instructor’s name:	Amber Buntin
Day/Time or *Online:	Tues/Thurs/Fri – 1:15-2:30pm
Location or *Online:	Science Building – Room SC 206
Number of units:	4 Units

### Instructor Contact Information

Office location:	SC 216K
Office hours:	Tuesdays/Thursdays 11:30-12:30pm
Phone number:	707-476-4207
Email address:	<a href="mailto:Amber-Buntin@redwoods.edu">Amber-Buntin@redwoods.edu</a>

### Required Materials

Textbook Title:	Algebra and Trigonometry
Edition:	7 <sup>th</sup> Edition
Author:	Sullivan
ISBN:	0131430734
Other requirements:	Technology will be used in class. Graphing calculator required, TI 83/84 recommended. Group work will be used almost daily and is a required component of the course.

### Catalog Description

A course for students studying in science, technology, engineering, and mathematics (STEM) fields and some areas of business. Both Math 30 and Math 25 (Trigonometry), are prerequisites for Math 50A (Differential Calculus).

Topics include: polynomial, rational, radical, exponential, absolute value, and logarithmic functions; systems of equations; theory of polynomial equations; analytic geometry; arithmetic and geometric sequences and series.

### Evaluation & Grading Policy

See details under “Grades.”

### Prerequisites/co-requisites/ recommended preparation

If more extensive review is needed, please consider registering for Math303. Math 303 is an intermediate algebra review course intended to help students prepare for transfer-level math.

### Course Student Learning Outcomes (from course outline of record)

1. Analyze and investigate functions and equations graphically, algebraically, and verbally.
2. Solve equations, systems of equations, and inequalities.
3. Apply functions and other algebraic techniques to model real-world applications.

## Preferred Name in Canvas

Students have the ability to have an alternate first name and pronouns to appear in Canvas. Contact [Admissions & Records](#) to request a change to your preferred first name and pronoun. Your Preferred Name will only be listed in Canvas. It does not change your legal name in our records. See the [Student Information Update form](#).

## Emergency Procedures/RAVE

College of the Redwoods has implemented an emergency alert system. In the event of an emergency on campus you can receive an alert through your personal email and/or phones at your home, office, and cell. Registration is necessary in order to receive emergency alerts. Please go to <https://www.GetRave.com/login/Redwoods> and use the “Register” button on the top right portion of the registration page to create an account. During the registration process you can elect to add additional information, such as office phone, home phone, cell phone, and personal email. Please use your CR email address as your primary Registration Email. Your CR email address ends with “redwoods.edu.” Please contact Public Safety at 707-476-4112 or [security@redwoods.edu](mailto:security@redwoods.edu) if you have any questions.

## Academic Dishonesty

In the academic community, the high value placed on truth implies a corresponding intolerance of scholastic dishonesty. In cases involving academic dishonesty, determination of the grade and of the student’s status in the course is left primarily to the discretion of the faculty member. In such cases, where the instructor determines that a student has demonstrated academic dishonesty, the student may receive a failing grade for the assignment and/or exam and may be reported to the Chief Student Services Officer or designee. The Student Code of Conduct ([AP 5500](#)) is available on the College of the Redwoods website. Additional information about the rights and responsibilities of students, Board policies, and administrative procedures is located in the [College Catalog](#) and on the [College of the Redwoods website](#).

## Faculty Withdrawal of Students

It is the policy of the College of the Redwoods Department of Mathematics to exercise a "Faculty Withdrawal" for any student who has missed more than 15% of the class meeting time (~8 days) due to the severely diminished likelihood of a successful course outcome. Missing 2 or more classes in the first two weeks of school may result in withdrawal as well. It is important to note that, if it is your intention to withdraw from the course, you are responsible to ensure the proper paperwork has been filed – that is, you should not assume the teacher will file the "Withdrawal" automatically.

## Tips for Success!

- ✓ Cultivate a positive attitude.
- ✓ Make friends and work productively together in groups. Math is not a spectator sport!
- ✓ Come to class! – Attend class every time on-time and stay the whole time.
- ✓ Read the new material BEFORE it is presented in class.
- ✓ Take responsibility for your own learning.
- ✓ Ask questions – lots of questions – to yourself, to classmates, to tutors and to the instructor.

# Math 30 ~ College Algebra

Tues/Thur/Fri – 1:15-2:30pm – SC 206 (Course numbers 047307)

## Instructor Contact Info

Amber Buntin, Assistant Professor, Department of Mathematics

Email: [amber-buntin@redwoods.edu](mailto:amber-buntin@redwoods.edu) **Canvas message is the preferred way to contact me!**

Phone: 707-476-4207

Office hours (SC 216K): BY APPOINTMENT (email or canvas message me)

My Math Lab Hours (Located in the back of ASC): Mon/Wed 1-2pm

\*\*\*Note: You must be **signed up** for Math 252 (FREE non-credit) or Math 52 (Credit) to utilize the math lab. In the Math Lab there are little red flags on the tables that you raise when you have a question.

## Classroom Environment, Participation, and Attendance

It is essential to our class that both the students and teacher behave in a manner that will provide a comfortable learning atmosphere. You are expected to be courteous to each other and to the instructor. You should not hesitate to ask questions nor feel embarrassed to ask for help. You will be asked to leave the class for display of behavior the instructor deems as disruptive to the learning environment.

Attendance and participation are essential to the learning process. You are expected to **work actively with your peers, sharing, taking and giving, listening and explaining, questioning and answering.**

The best way to insure having a successful experience in any course is to come to every class meeting and keep up with the assignments. I realize that emergencies may occur that prohibit you from making it to class. In those cases, just communicate with me as soon as you possibly can so we can discuss missed work.

ALL students remain responsible for ALL assignments given and those assignments are expected to be turned in ON TIME. If you miss a class, the assumption is that you will get the necessary information to complete the assignment by the due date and be prepared to continue in the normal flow of the course.

## Grades

	93-100%.....A
	90-92%.....A-
	88-89%.....B+
	83-87%.....B
	80-82%.....B-
	78-79%.....C+
	70-77%.....C
	0-69%.....D-F
Homework and Activities ....20%	
Quizzes.....15%	
Exams .....40%	
Final Exam.....25%	

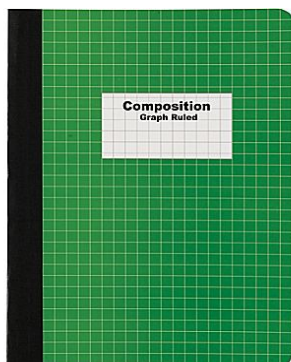
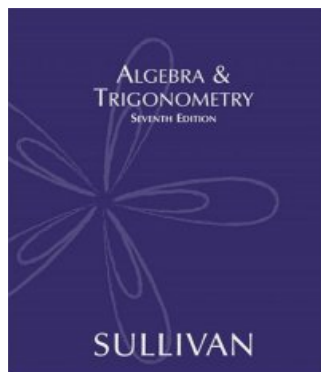
\*\*\* Final grade is at the professional discretion of the instructor \*\*\*

## Required Materials

**Textbook:** *Algebra and Trigonometry*

**Author:** Sullivan, published by Prentice Hall

**7<sup>th</sup> Edition ISBN #0131430734**



- There are a LIMITED number of 7<sup>th</sup> edition textbooks available for check out for the semester at the library. There are also books on 2-hour reserve at the library.
- Order your **textbook online for very cheap** on amazon etc. If you are going to order online, I suggest you do so ASAP since there's HW due right away.

### **Supplies:**

- ✓ Lined paper and graph paper
- ✓ Pencil, erasers, and straight edge
- ✓ Binder OR Composition notebook (used specifically as a reference book)
- ✓ A graphing calculator is **required** (TI-83+ or TI-84 recommended) and available to rent for \$15 per semester (see Emily Chang in the back of the Library in the Math Lab). <https://www.redwoods.edu/math/Mathematics-Home/Resources/Calculator-Rentals>
- ✓ Access to a computer with internet and printing capabilities is also a requirement as there will be assignments submitted online.
- ✓ Binder/folder for returned work
- ✓ DESMOS Graphing APP (not for use on exams): <https://www.desmos.com/>

## Canvas

Our course canvas page will be updated regularly and will contain a variety of items such as: course announcements, class documents, assignments, review resources and much more. Be sure to turn on your notifications if you'd like to be notified about things like new announcements, changes to assignment due dates etc. If you find you are getting too many (or too few) announcements, remember this is an individual setting that you must modify in Canvas. I can help to adjust your settings...just ask!

**You will be expected to check canvas regularly and be aware of announcements made.**

**Link to Canvas:** <https://redwoods.instructure.com/>

For tech help, email [its@redwoods.edu](mailto:its@redwoods.edu) or call 707-476-4160

## Homework and Activities

Activities, online homework and written homework will be assigned throughout the semester. Homework will be assigned and due nearly every class period. You are encouraged to work collaboratively on your homework but be sure to NOT COPY other students' work. We will have about 5-10 minutes reserved for homework questions each class. At the end of the semester, the 2 lowest homework scores will be dropped from your grade.

### Online Homework:

Online homework will be assigned daily and completed in a FREE online testing site called MyOpenMath (MOM). **The online assignments will provide for the following incentives:**

- Integrated in Canvas for instant feedback/grading.
- Ability to submit answers multiple times to improve score.
- Infinite set of practice problems/solutions for studying.
- I will set up individual/small group tutorials if needed to make sure students have ample support for MyOpenMath.

**\*\*Late work policy:** 5 Late Passes will be allowed for **online assignments only**. Late passes must be used within 2 weeks of the initial due date and extend due date by 5 days.

### Written Homework:

Written homework will also be due nearly every class period. Written assignments will be graded mainly on neatness, proper notation, and completeness and deductions will occur if I notice multiple incorrect answers or errors or incomplete assignments.

**Please see "Written Homework Guidelines" section for further details about expectations.**

- For **\*most\*** online MOM assignments, I will select a few problems for you to **write up solutions for** and hand in at the beginning of class on the due date.
- Written work will typically include material covered in recent homework/notes/activities.
- In addition to written solutions to online HW, problems will be assigned from the textbook. Check answers to ODD numbered problems in the back of the textbook and to help with even-numbered problems.
- **No late written work will be accepted.**

### Exam corrections:

- Assigned after each exam is returned (if time allows)
- Graded as an activity and **do not improve actual exam score.**

### Activities:

- We may have activities in and outside of class time. Activities that are completed in class cannot be made up if missed. For many activities you will be working in pairs or groups and therefore it is important you come to class everyday!

### Handing in work early and the Math dropbox

It is your responsibility to ensure that you get your work turned in on time; if you know you will be missing class, you should submit/turn in work before the due date, send it with a friend to class, or hand it in to the Mathematics dropbox in the hallway of the 2nd floor of the Science Building **before** class time on the due date. **If you use this option, be sure to put MY NAME on it at the top and email me to let me know you dropped the homework.**

## Canvas

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## Quizzes

There will be frequent in-class and take-home quizzes (at least one per week). In-class quizzes will be announced **at least one class period in advance**. For quizzes, you may use your composition notebook. You **MAY NOT** work with other students in class or get help at the math lab, the LIGHT center or from a tutor. All work shown on quizzes should be your own and should follow the HW guidelines in terms of notation. If I suspect students work together on an in-class or take-home quiz, both parties will receive a score of zero!

## Exams and the Final

There will be 2-3 in-class exams (40% of grade) throughout the semester and a **required** comprehensive final examination (25% of grade). I will notify the class **at least one week** in advance as to the date of each in-class exam. Before each exam, you will receive a study guide and/or practice problems. **I will schedule a study session before each exam.**

All exams need to be taken in class **ON THE DAY OF THE EXAM** unless you have made prior arrangements with me to take it early. Be sure to make all travel plans accordingly as there will be no make-ups for missed exams except in extreme or emergency cases (must provide documentation). If you take exams in the LIGHT center, you need to make sure you make an appointment in advance so that you take the final exam at the designated time. **Exams will be graded within 2 weeks of all members of class completing the exam.**

**\*\*\*Final Date: Wednesday, December 18<sup>th</sup>, 1:00-3:00pm\*\*\***

## Testing Accommodations

If you have a documented disability or believe you can benefit from any of the services offered by DSPS such as extended test taking time, tutoring services, quiet space for exams etc, please contact the DSPS office at 476-4280 (phone), 476-4418 (fax), TTY 476-4284 or view their webpage: <http://www.redwoods.edu/dsps>

If you are already approved for accommodations through Disabled Services & Programs for Students (DSPS) then **during the first or second week of class** you will need to submit your paperwork to me and arrange to take exams in the testing center and make sure that you take Exams at the same time our class meets.



## Tutoring Options – Improve Course Success!

### The Math Tutoring Lab:

The math lab is located in the ASC in back of the Library. **Sign up in webadvisor for one of the courses below & show up first week of class to fill out paperwork.** Course options:

- **MATH 252** Open Mathematics Lab. This is a FREE, no credit option to get drop-in math tutoring in the math lab. **If you do not need units** or you want math help but cannot fulfill hour requirements for mathlab, then this is the option for you!
- **MATH 52** Math Lab for Transfer Level Math. Register in webadvisor for this for-credit drop-in tutoring course held in the math lab. Available for .5 unit (22.5 hours ~ 1.5 hrs a week req) or for 1 unit of credit (45 hours ~ 3 hrs a week req).

### Other Tutoring Options:

- **FREE ASC tutoring** by appointment. Call **707-476-4106** or **707-476-4154**.
- **EOPS Tutors.** You must be part of EOPS (Extended Opportunity Programs and Services) to receive this tutoring. Please contact your EOPS counselor to set up tutoring. If you are unsure if you are eligible for EOPS, call them at **707-476-4270** check out their webpage: <https://www.redwoods.edu/eops>
- **LIGHT Center Tutoring.** Please contact the LIGHT center if you are interested in their tutoring services. There is a GUID course you must enroll in to receive services. **Phone:** 707-476-4290 **Webpage:** <https://www.redwoods.edu/dsps/Light-Center>
- **OPTIMATH** practice assignments give immediate feedback and written out solutions: <http://msenux2.redwoods.edu/cgi-bin/online/s18/OTportal.cgi>
- The **CR Math Jam** webpage is a great way to prepare for exams and contains lessons as well as OPTIMATH assignments: <http://msenux2.redwoods.edu/mathjam/?s=public>
- **Private tutoring** is always an option but is of course more costly. If you are interested in hiring a private tutor, let me know and I will ask around to see if I can find anyone!

### Final Words

A few words about my expectations for you and myself in this course: My responsibilities include coming to class prepared to teach you mathematics, giving clear lessons, assigning carefully chosen activities that are relevant to our course and carefully preparing questions that help deepen your understanding. Additionally, I am responsible to be available to you outside of class for consultation in office hours (by appointment...just [email me](#) ☺).

Likewise, I believe that you are ultimately responsible for your college education and I expect you to come to class prepared, alert and motivated to learn the material. This involves keeping up with assignments, seeking additional help, either from me or from the many resources available to you here on campus, before it is too late.

\*\*\*\*\* Syllabus Subject to Change \*\*\*\*\*

Announcements will be made in class and often followed up in Canvas. When absent, students are expected to check email, Canvas, and/or with fellow classmates concerning missed work!

## Guidelines for Written Homework

Please follow these guidelines when completing homework assignments.

It makes my grading experience much more pleasant ☺

1. Complete all written assignments on a **separate sheet of paper**. You **may use both sides** of the paper. Do NOT complete assignments on the pages of your textbook.
2. **Staple** all homework in the upper left hand corner.
3. **Label** your homework with your name, course number, and section number in the upper right-hand corner (see example below).
4. **Copy down original problem and directions** (summarize word problems)!
5. Write your problems in order **DOWN** the page. Please **skip a line** between problems.
6. **Circle, box, or highlight** your answers to each exercise so I can find your answer quickly.
7. Please use **pencil** when writing your homework, and please write legibly and neatly. Presentation is a component of your homework score. **NO PENS!**
8. Be sure to **show your work** when solving a problem. A problem with just the answer and no work shown will receive **NO CREDIT**.
9. **Cut or tear off** any frilly edges on paper torn from a notebook.
10. When creating a graph, you **MUST USE GRAPH PAPER AND A RULER** or you will get a **ZERO** on the assignment.
11. If you are ever given two assignments due on the same day make sure complete them, and **staple them SEPARATELY**.

Staple in upper  
left corner.

Ima Student

Math 30

Section 1.2

HW 1.2: 4, 11, 20, 41

4. Solve  $-26x + 84 = 48$

$$-26x + 84 = 48$$

$$-26x = -36$$

$$x = \frac{36}{26}$$

20. Solve  $-8 - 8(x - 3) = 5(x + 9) + 7$

$$-8 - 8(x - 3) = 5(x + 9) + 7$$

$$-8 - 8x + 24 = 5x + 45 + 7$$

$$-8x + 16 = 5x + 52$$

$$-13x = 36$$

$$x = -\frac{36}{13}$$

11. Solve  $19x + 35 = 10$

$$19x + 35 = 10$$

$$19x = -25$$

$$x = -\frac{25}{19}$$

41. Solve  $Ax + By = C$  for  $y$

$$Ax + By = C$$

$$By = C - Ax$$

$$y = \frac{C - Ax}{B}$$