

# PREALGEBRA

<b>Semester &amp; Year:</b>	Spring 2015
<b>Course ID and Section Number:</b>	<a href="#">MATH-276-E7047 (037047) Pre-Algebra College Prep</a>
<b>Number of Credits/Units:</b>	Non-credit
<b>Day/Time:</b>	Tuesday, Thursday 9:25AM - 11:30AM, Sciences Bldg,
<b>Location:</b>	Room SC210
<b>Instructor's Name:</b>	Robin Carter
<b>Contact Information:</b>	Email: <a href="mailto:robin-carter@redwoods.edu">robin-carter@redwoods.edu</a>

## Course Description

A comprehensive review of arithmetic involving whole numbers, fractions, decimals, and signed numbers. Students will solve problems involving ratios, proportions, percents and geometry. Basic algebra concepts and techniques such as variables, simplifying expressions, solving equations will also be introduced. Problem solving, estimation and the communication of mathematical ideas are an integral part of the course. Use of a scientific calculator will be introduced.

## Student Learning Outcomes :

These are the things a student will be able to do as a result of successfully completing this course.

1. Evaluate and simplify numerical and algebraic expressions involving integers and rational numbers.
2. Solve linear equations.
3. Write linear equations for word problems and solve.
4. Use sound mathematical writing and appropriate use of symbolism in presenting solutions of mathematical exercises and applications.

**PREREQUISITE** The prerequisite for this course is Math 272, or an appropriate score on the math placement test. This course is designed to prepare you for the algebra sequence required for a college degree. You will also strengthen your basic arithmetic skills and use calculators to compute, too.

**TEXTBOOK** *Prealgebra (second edition)*, written by the Department of Mathematics at College of the Redwoods, is available in the following three modes:

A) The textbook is provided FREE at the following the link: <http://msenux.redwoods.edu/PreAlgText> (you can print the .pdf pages, or save the whole book to a flash drive.)

B) You may also order a printed version of the entire textbook for \$28 (including exercises and answers) and/or the solutions manual for \$30 (exercises and solutions) at the bookstore.

C) Purchase textbook from lulu.com at <http://www.lulu.com/product/paperback/prealgebra-textbook/11482419>

Purchase textbook solutions from lulu.com at <http://www.lulu.com/product/paperback/prealgebra-textbook-solutions-manual/11598900>

**OTHER SUPPLIES** Scientific calculator, composition notebook (used as reference book), pencils and erasers, a binder, and a ruler or straightedge.

**College of the Redwoods MyCR Course webpage** Your course materials such as syllabus, schedule, and grades will be available on MyCR.

1. To login, go to <http://mycr.redwoods.edu>
2. Your UserID is the same as your Webadvisor UserID (example: cstudent123).
3. Your password is your six digit birthdate. (Please change your password after you first login.)

Up to four of your courses are automatically displayed in the **Quicklinks** green bar at the top of the page. Click on the course you wish to access.

If the course you want is not there, click on **My Sites**. All of the courses in which you are currently enrolled will be displayed.

Information about MyCr is available online at <http://www.redwoods.edu/cr-online/mycr-cle.asp>

**HOMEWORK:** Homework will be assigned every class meeting. Assignments are online at Optimath and in the textbook chapters of your PREALGEBRA book.

The assignments may take a great deal of time so I recommend you:

- [ read the section of the textbook that is going to be covered before the class lecture.
- [ start the homework as soon as lecture is started for that section (or even before lecture).
- [ set aside at least 1-2 hours for each hour of class time, to do assignments.
- [ start working on HW as soon after class as possible this way you will have plenty of time to ask for help.

Set yourself up to succeed by doing a little bit at a time. Remember, homework is a worthwhile investment since it is where a great deal of your learning for this course will take place.

**MATH 276L - The Math Lab for Pre-Algebra:** All students are encouraged to sign up for Math 276L (The Math Lab for Pre-Algebra). You can receive help on your homework questions, or work on computer tutorials. Sign up for ½ credit or 1 full credit, completing a number of hours for each option. The Math Lab is located in the Academic Support Center (ASC) in the back part of the Library. You can sign up for the Math Lab by going to the ASC during the first week of class.

**OPTIMATH:** Your course assignments are on Optimath. Optimath is an online math practice tool that gives you full solutions to practice problems and valuable feedback on your work.

Go to Optimath, click here: <http://msenux2.redwoods.edu/cgi-bin/online/s15/OTportal.cgi>

Your *login name* is just like the one that you use for WebAdvisor and myCR: **first initial + last name + last three digits of your student ID#**. For example, if your name is John Doe and your student ID# is 1234567, then your login name is *jdoe567*.

Your *initial password* is your **full 7-digit student ID#**, but you can (and should) change it once you log in.

NOTE: If you are on your own computer, there are special instructions:  
PC computers must use Explorer browser to access Optimath.  
Mac users must use Safari to access Optimath.  
No other browser will work.

Be sure the browser has access to the Adobe Reader plug-in.

For more instructions, click here: <http://msenux2.redwoods.edu/cgi-bin/online/s15/OTportal.cgi>

After you log in, you have just five options:

- [ **Choose Assignment** to take online.
- [ **View Assignment Results** (includes your answers, the correct answers, and solutions).
- [ **Change password**
- [ **Email your instructor**
- [ **Log out**

*Important:* Do not use the "Back" and "Forward" buttons on your browser when you are using the testing system. If you do, you will be immediately logged out of the system. Instead, use the links on each page to move around. There are really only five places to go, namely the options listed above (**Choose Assignment**, **View Assignment Results**, etc.).

To log in to Optimath for this course assignments and quizzes, click here:

<http://mathrev.redwoods.edu/cgi-bin/online/s15/OTportal.cgi/>

There is another resource for more practice with the General Practice Exercises located here

<http://mathrev.redwoods.edu/cgi-bin/online/s15/OTcreatepracticequiz.cgi?course=math376>

**TESTS:** After you practice the exercises as homework, there will be chapter tests to show your skill level.

To pass the class, you will also have a final comprehensive exam, just like the Placement Exam.

If you want to take the Placement Exam for college-credit math earlier, you will take the Placement Exam on a computer in the Testing Center.

You are unable to use calculators for the Placement Exam.

**COURSE GRADE** As a non-credit course, your skills are building for further college-level math. You will earn a letter grade in the course unless you fill out the form requesting Pass/Fail. Grades will be based on your performance in class and demonstrating your computational skill by passing chapter tests with a 70% or better. The letter grade you receive will NOT be on your college transcript, but final scores are posted on [MyCR](#). A passing grade will show as an S on [WebAdvisor](#).

To Register for college-level credit MATH 380, you have two options:

- 1) complete the MATH 276 course with a course grade of C or better.
- 2) Go to the Testing Center and pass the Placement Exam at any time during the semester.  
Practice the Placement Test here:  
<http://msenux.redwoods.edu/math/placement/PlacementPractice.php>

**LECTURE NOTES:** [Click here](#) to download Kevin Yokoyama's lecture notes.

**Special accommodations:** College of the Redwoods complies with the Americans with Disabilities Act in making reasonable accommodations for qualified students with disabilities. Please present

your written accommodation request at least one week before the first test so that necessary arrangements can be made. If you have a disability or believe you might benefit from disability related services and may need accommodations, please see me or contact Disabled Students Programs and Services. Students may make requests for alternative media by contacting DSPS.

**Academic Misconduct:** Cheating is demeaning to your character. It's also a violation of College of the Redwoods policy, and must be dealt with according to their procedures and sanctions. As such, students caught plagiarizing or cheating on exams will receive an "F" in the course.

The student code of conduct is available on the College of the Redwoods website at:

<http://redwoods.edu/District/Board/New/Chapter5/AP%205500%20Conduct%20Code%20final%2002-07-2012.pdf>

Additional information about the rights and responsibilities of students and administrative procedures is located in the college catalog and on the College of the Redwoods homepage.

*College of the Redwoods is committed to equal opportunity in employment, admission to the college, and in the conduct of all of its programs and activities.*

