

MATH 210 Pre-Algebra Fall 2016

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Office Hours: W,Th 12:30 to 1 pm

Textbook:

Pre algebra Textbook, 2nd ed., by College of the Redwoods, available free online at <http://mathrev.redwoods.edu/PreAlgText/>. You can buy a hardcopy in the bookstore.

Student Learning Outcomes

- Demonstrate and apply a systematic and logic approach to solving arithmetic and geometric problems.
- Demonstrate and apply the knowledge and skills required to select the correct introductory formulas, procedures and concepts from algebra and geometry and use them to solve the problems

Course Objectives

- A. Develop, throughout the course as applicable, systematic problem solving methods.
- B. Solve problems involving arithmetic operations, including fractions, percents and decimals.
- C. Apply the order of operations to evaluate numerical expressions.
- D. Solve problems involving operations with signed numbers.
- E. Explore the characteristics and properties of real numbers.
- F. Use estimation to determine approximate solutions and to check the reasonableness of answers.
- G. Explore rates and ratios and use proportions to solve problems.
- H. Explore, as applicable throughout the course, the geometry of mathematical measurements and solve problems involving geometric figures and formulas.
- I. Explore the use of variables in expressions and evaluate algebraic expressions.
- J. Solve linear equations in one variable numerically and algebraically.
- K. Interpret linear relationships in two variables numerically, graphically using the Cartesian coordinate system, verbally and algebraically.
- L. Explore the concept of function.
- M. Investigate, throughout the course as applicable, how mathematics has developed as a human activity around the world

Attendance

- ATTENDANCE ON THE FIRST DAY IS MANDATORY. If you are absent on the first day, you will be dropped and your spot will be offered to the students who are on waiting list.
- Students are responsible for knowing and understanding the rules of attendance. ANY violation of these rules is grounds for being dropped from the class.
- Regular, punctual attendance at all class meetings is expected of each student. YOU CANNOT EXPECT TO DO WELL IN THE CLASS IF YOU FAIL TO ATTEND LECTURES.
- There are NO excused absences. If a student is not present in class, he or she is considered ABSENT regardless of the reason and will be marked absent.
- Students absent anytime during the first week of class may be dropped from the class for absenteeism and space will be made for students who wish to add the class.
- A student will be dropped if absent the equivalent of three days of classes during the quarter. However, if a student stops coming to class after starting and wishes to drop, the instructor will not automatically drop the student. Any student wishing to drop must drop themselves.
- Being late to class or leaving before class is dismissed by the instructor will count as half an absence.
- Arriving to class on time but leaving the classroom anytime during class will count as half an absence unless you have a legitimate medical or physical excuse. Such an excuse must be discussed with the instructor PRIOR to leaving class or will count as half an absence.
- A student is considered late if arriving past the start of class time. However, a student is considered completely absent if arriving more than 15 minutes after the start of class or leaving 15 minutes before the end of class.
- In certain instances, the instructor or counselor will drop a student for violation of any policy stated in this syllabus.
- IF YOU DECIDE YOU CAN NOT TAKE THE CLASS OR STOP COMING TO THE CLASS AND DO NOT DROP THE CLASS YOURSELF THEN YOUR GRADE WILL BE F.

Cell Phone Policy

PLEASE READ CAREFULLY!!!

Cell phones should be turned off or to silent during class and put away at all times. There is a zero tolerance cell phone policy in this class. If you have a cell phone or smartphone or other similar device out during class for any reason, you may be asked to leave class and marked absent for the rest of the day. Laptops and other tablets are permitted only to note taking or accessing e-text. If you are using the laptop for any other reason, you will be asked to leave class.

If you have circumstances that require you to have a phone turned on and with you, please come see me privately.

Texting is also not allowed during class. Cellphones cannot be used as calculators. Cellphone are to be put away during tests and quizzes. Any visible cell phone during a test or quiz will result in a zero for that assignment, which cannot be made up.

Communicating with the instructor. Students are encouraged to email the instructor with any questions you might have. Rules for sending an email

1. Your full name.(Donot assume I will know who you are from your email addresses)
2. The class and section you are in.(I am teaching three classes, so Class, section or time of the class is very important.)
3. Subject clearly stated.(Subject like “wats up??” wouldn’t help)
4. Email clearly written.

Exams - 150 points

There will be four in class exams given with no make-ups. Each exam is worth 50 points. One lowest exam score will be dropped.

- Exam # 1 - 10/10/2016
- Exam # 2 - 10/28/2016
- Exam # 3 - 11/15/2016
- Exam # 4 - 12/2/2016

Quizzes - 100 points

There will be five mid-chapter review quizzes. No make ups will be given. One lowest quiz score will be dropped

Homework Quizzes- 50 points

Homework is an essential component of the course. Homework assignments will be given everyday that will not be collected or corrected. Throughout the quarter you will be given homework quizzes that are completely based on homework assigned in class. It is students responsibility to complete the homework and ask any questions you might have in class.

The student is responsible for all the homework problems assigned and also all the problems associated with the sections covered in class from your textbook. Your exams and quizzes are based on your homework problems. Practice of these problems makes exams and quizzes easier.

Rules for submitting any assigned work :-

- Homework must be done on 8 1/2 × 11 paper with neat edges.
- Homework assignment must be written on the top line of your paper.
- Labeled problems and pages must be in their proper order.
- Pages must be stapled together in the upper left corner (no doggy-ear/folded corners, or paper clips.
- Each answer must be supported by sufficient work for credit.
- Begin with the problem in the book and not with the next step.
- Graphs must be done neatly on graph papers and labeled properly.
- Use units where ever necessary.

ALL THE WORK THAT WILL BE SUBMITTED FOR GRADING SHOULD BE NEATLY ORGANIZED AND PROPERLY WRITTEN FOR GRADING. IF I CAN'T FOLLOW YOUR WORK, YOUR WORK WILL NOT BE GRADED. THIS RULE APPLIES TO ALL THE HOMEWORKS, QUIZZES, AND EXAMS

Final Exam – 150 points.

A two-hour final exam will be given. A student who misses the final exam and does not contact the instructor will receive an F in the course.

Final exam: Monday 12/12/2016 from 11:30 am – 1:30 pm.

Class Work, Group Work and Extra Credit Work

There will be some in class work, group work that needs to be turned in should be neatly organized and clearly written. All the work must be stapled properly and must be submitted with clean edges. (No ragged edges please!)

Grading Scale:

- A 90%-100%
- B 80%-89%
- C 70%-79%
- D 60%-69%
- F Under 60%

Please read carefully!!!

Discipline:

- Students, at all times, should keep their cell phones, beepers and other noise making devices in either switched off mode or in silent mode and keep them inside.
- No talking in between the students is tolerated while the lecture is going on. You will be given time to ask any questions you have regarding the material through out the class. Make use of the time to clear any questions you have.
- Students disregarding classroom rules or disrupting the class will be asked to leave the room and may not re-enter with out the instructor's permission. De Anza College will enforce procedures set forth in the Student Standard of Conduct (see class schedule) and the appropriate remedial and/or disciplinary steps will be taken when violations occur.

Personal Integrity

I expect all students to do their own work unless other wise specified by the instructor. If there are any problems, the student/students will be sent directly to the division Dean. Your instructor has the right to assign a grade "F" for blatant

infractions. If you have any questions, please consult the college schedule under "Academic Integrity". Please, let us have no problems in this area.

The key to success in any mathematics course is working homework – lots of it. Just doing the assignments will not be enough; you should work more problems for practice, in particular the problems for which the book provides answers to check your work. In addition, consult the Student Solutions Manual, containing worked solutions.

For extra help, don't hesitate to visit the instructor during office hours or make an appointment. Make use of the Math and Science Tutorial Center in S-43

General Classroom Procedures and Rules

1. Talking during lecture is not allowed. While talking does not necessarily bother the instructor, it does interfere with other students' ability to listen. If you talk during lecture, you will be asked to leave the room. If you are asked to leave the room, you will not be allowed back into the class until you visit the instructor at office hour before the next class meeting.

2. Exams and quizzes are given at the beginning of class. If you arrive late to the class on an exam or quiz day, extra time WILL NOT BE given.

3. On exam days, you will be assigned a seat by the instructor different from the one you are used to sitting in. If you talk or communicate with another student, you will be moved to another desk.

5. Communication of any kind during an exam or quiz between students is not allowed and is considered cheating. This includes any verbal, written or other communication. All cell phones and electronic devices must be turned off and put away BEFORE a test begins. Cell phone usage or usage of any electronic device (besides a calculator) during a test or quiz is considered cheating. All tests and quizzes are to be the work of individual students only, unless stated otherwise. Sharing or comparing answers of any kind is considered cheating. If you have a question during a test or quiz, you are only allowed to talk the instructor. If you are observed cheating, you will receive a grade of 0 on the test or quiz and be reported to De Anza Administration. A grade of 0 given for cheating on any test or quiz cannot be made-up, dropped, or replaced by any other score and will be factored into the student's final grade without exception. . If a student is returned a graded test or quiz and the student changes his or her incorrect answers in order to receive more points, the student is considered cheating and such an act will carry the same consequences as those mentioned above.

	Mon	Tues	Wed	Thurs	Fri	Week
Sep	26 Sec 1.1,1.2	27 Sec 1.3,1.4	28 HW Quiz # 1 Sec 1.5	29 Sec 1.6,1.7	30 Quiz # 1	1
Oct	3 Sec 2.1	4 Sec 2.2,2.3	5 HW Quiz # 2 Sec 2.4	6 Sec 2.5,2.6	7 Review	2
	10 Exam # 1	11 Sec 3.1	12 Sec 3.1,3.2	13 Sec 3.2,3.3	14 HW Quiz # 3 Sec 3.3	3
	17 Sec 3.4	18 Sec 3.5,3.6	19 Quiz # 2	20 Sec 4.1,4.2	21 Sec 4.2,4.3	4
	24 HW Quiz # 4 Sec 4.4	25 Sec 4.5,4.6	26 Sec 4.7,4.8	27 Review	28 Exam # 2	5
Nov	31 Sec 5.1,5.2	1 Sec 5.2,5.3	2 Sec 5.3,5.4	3 HW Quiz# 5 Sec 5.5	4 Sec 5.6,5.7	6
	7 Sec 5.7,5.8	8 Sec 6.1	9 HW Quiz # 6 Sec 6.2	10 Sec 6.3	11 <i>VETERAN'S DAY HOLIDAY</i>	7
	14 Review	15 Exam # 3	16 Sec 7.1	17 Sec 7.2	18 Sec 7.3	8
	21 Sec 7.4	22 Review	23 Quiz # 4	THANKS GIVING	25 HOLIDAY THANKS GIVING	9
Dec	28 Sec 8.1	29 Sec 8.2	30 Sec 8.2	1 Review	2 Exam # 4	10
	5 Functions	6 Functions	7 Quiz # 5 Functions	8 Review	9 Review	11
	12 Final 11:30 - 1:30 pm	13	14	15	16	12