

**Textbook:** *Prealgebra Textbook*, 2nd Ed., Department of Mathematics; College of the Redwoods. This book is available online for free at <http://mathrev.redwoods.edu/>

### Student learning outcomes

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

### Materials needed

- Course textbook
- Course pack (all notes, homework information and test reviews are in here)
- Writing utensils/additional notebook paper.

Use of calculators is not permitted in this course unless otherwise noted. No cellphones may take the place of a scientific calculator. Cellphones are to be silenced and put away during class.

### Academic integrity

Please familiarize yourself with the college Academic Integrity Policy. Students found violating the policy will receive a score of zero on the assignment which will not be dropped and will be reported to the dean (with possible expulsion resulting) for the grading policy

### Grading Policy

Student grades will be determined based on homework, quizzes, midterm exams, and a final exam.

Homework – Collected daily. Counts as 5 points on the daily quizzes. Graded on a scale of 0 – 5 base on the following criteria:

Neatness: Can I follow your work? Is it stapled and clean? Did you properly label your sections? (1 pt)

Work: Did you show work where appropriate? Did you finish every problem assigned? (2 pt)

Answer: Did you check your answers? If I randomly check a problem, is it correct? (2 pts)

Quizzes – 375 points - 18 quizzes. 25 points each. 3 lowest will be dropped. They will be given randomly in class with a 15-30 minute time limit. They will be on sections covered on the previous day. If you are absent, you may do the quiz corrections for up to 14 points.

Quiz corrections – If you received less than 14 points, you have the option to do quiz corrections to receive half the points you've lost **UP TO 14 points**. Points taken off due to homework may not be earned back.

- 1) In order to do quiz corrections, homework must be done.
- 2) A quiz Redo will be emailed out to all those who qualify.
- 3) Rework all the problems you did wrong. Analyze your mistakes and include an explanation of what you did wrong

**Corrected Quiz must be turned in before the test!**

If you do not hand in homework on the day of the quiz, you may turn it in by test day for up to 3 quiz points (0 points afterwards)

Tests - 300 points. 3 tests. **No makeups allowed**. If your final is higher, it will replace the lowest test score.

Final - 200 points. The final will cover all the material covered in class.

Grades for the course will be mapped as follows

- 90–100% A 787–875 points
- 80–89.9% B 700–786 points
- 70–79.9% C 612– 699 points
- 60–69.9% D 525– 613 points
- Below 60% F below 524 points

These are merely guidelines. I reserve the right to curve the class at the end of the quarter depending on how the class performs as a whole.

Tentative Schedule.

Week	Tuesday	Thursday	Important dates
April 4 - 8	1.1, 1.2, 1.3	1.3, 1.5, 1.6 Quiz 1	
April 11 – 15	1.6, 1.7 Quiz 2	2.1 – 2.3 Quiz 3	4/16 – Last day to add 4/17 – Last day to drop for full refund
April 18 – 22	2.4 – 2.6 (Part 1) Quiz 4	2.6 (part 2), 3.1, 3.2 Quiz 5	
April 25 – 29	Review Test 1 – Ch 1 – 2.6 (Part 1)	3.3, 3.4 Quiz 6	4/29 – Last day to request pass/no pass
May 2 – 6	3.5, 3.6 Quiz 7	4.1, 1.4, 4.2, Quiz 8	
May 9 – 13	4.3, 4.4, 4.6 Quiz 9	4.7, 4.8 Quiz 10	
May 16 - 20	Review Test 2 – 2.6 (Part 2), Ch 3, 4.1 – 4.6	5.1, 5.2 Quiz 11	
May 23 - 27	5.3, 5.4, 5.5 Quiz 12	5.6 – 5.8 Quiz 13	5/27 – Last day to drop with W (not affecting grade) 5/28 – 30 - Memorial Day weekend – No classes
May 30 – June 3	6.1 – 6.3 Quiz 14	6.4, 7.1 Quiz 15	
June 6 – June 10	7.2 – 7.4 Quiz 16	8.1, 8.2 Quiz 17	
June 13 – June 17	Review Test 3 – 4.7, 4.8, Ch 5, 6, 7	Functions Quiz 18	
June 20 – June 24	Final 1:45-3:45 p.m		

Homework List – Be prepared to spend up to 3 hours on each section. Do not put this off until the last minute and realize that you don't have the time.

Guidelines for homework

- 1) Write the section and the problem numbers on the top of the page.
- 2) Number each problem and write out the problem
  - a. For word problems, use the criteria set forth in class
- 3) Show all steps leading up the answer. Some problems require no work shown.
  - a. If I showed work in class, you must show work for homework

Note: A list of answers will yield 0 points.

Section 1.1 – 1-63 Every other odd (Do 1, skip 3, do 5, skip 7), etc.

Section 1.2 – 1 – 28 Every other odd, 41 – 49 odd, 51, 59, 73, 81, 87, 93, 105-115 odds

Section 1.3 – 5 – 17 odds, 23, 29, 45, 49, 53 – 59 odd, 63 – 83 odd, 95, 107, 111, 115, 119, 123, 127, 131

Section 1.5 – 1-103 odd

Section 1.6 – 1, 2, 15 – 65 every other odd

Section 1.7 – 1, 2, 15 – 53 Every other odd

Section 2.1 – 1, 2, 13 – 23 odd, 25, 29 – 51 odd, 53, 51, 65 – 71 odd

Section 2.2 – 5, 9, 15 – 51 every other odd, 55, 57, 65 – 77 every other odd, 81, 83

Section 2.3 – 1 – 47 every other odd, 51 – 59 odd

Section 2.4 – 1 – 15 odd, 17 – 83 every other odd, 85

Section 2.5 – 1 – 103 every other odd

Section 2.6 (Part 1) – 1, 2, 15 – 93 every other odd

Section 2.6 (Part 2) - #69 - 95 (every other odd - ie Do 69, skip 71, skip 73, Do 75, skip 77, etc..)

Section 3.1 - # 1-19 odd number only, 21-25 all.

Section 3.2 - #1-47 (every other odd), 49, 50

Section 3.3 - # 3-44 (do multiples of 3 - ie - 3, 6, 9, 12, 15, etc.)

Section 3.4 - #1-15 odd number only, 21, 23, 27, 41-59 odd number only

Section 3.5 # 1-67 Every other odd (do 1, skip 3, do 5, skip 7, do 9, skip 11... etc)

Section 3.6 # 1-47 Every other odd (do 1, skip 3, do 5, skip 7, do 9, skip 11... etc)

Section 4.1 - #13 - 61 every other odd, 101

Section 1.4 – 3 – 119 Every other Odd (Start with 3, skip 5, do 7, skip 11, etc.)

Section 4.2 - #5-27 odds, 69

Section 4.3 - #1-67 every other odd

Section 4.4 - #1-19 odd, 21-103 every other odd, 121, 131 [calculate using methods from class]

Section 4.5 - # 1-12 all, 25 - 71 Every other odd, 73, 75

Section 4.7 - # 1-73 every other odd.

Section 4.8 - # 13 - 71 every other odd, 73, 75, 81

Section 5.1 - # 1-91 Every other odd.

Section 5.2 - #25-87 Every other odd

Section 5.3 - #11 - 105 Every other odd

Section 5.4 - # 1-31 Every other odd, 41-87 Every other odd, 101-106 ALL, 107-111 all odds

Section 5.5 - #1-43 Every other odd, 45-59 all odd,

Section 5.6 - #1- 51 Every other odd, 59-67 all odd, 79, 81

Section 5.7 - #1-69 Every other odd, 71-75 all odd (do only parts a & b)

Section 5.8 - #1-31 Every other odd.

Section 6.1 - #1-37 all odds

Section 6.2 - #13-53 Every other odd

Section 6.3, 6.4 - HW will be given out in class in the form of a worksheet.

Section 7.1 - #1- 67 Every other odd, 71 - 77 all odds

Section 7.2 - #1 - 59 Every other odd

Section 7.3 - # 1 - 37 Every other odd

Section 7.4 - #1-23 Every other odd, 25, 31, 35

Section 8.1, 8.2 - HW will be given out in class in the form of a worksheet.