

Math112 (Monday) Pre-Algebra

Instructor: E. Sharnazyan Fall 2008

Course: Pre-Algebra: 3.0 Units

Ticket Number: 0302

Monday: 7:30 – 10:40 a.m. BUNG 8

Office Hours: Tuesday 10:00 to 10:35 am

Email: SharnazyanEliz@aol.com

Office: BUNG D

Phone: 818-364-7600x4860

323-810-4979 (Cell)

Text: Pre-Algebra

Author: **Alan S. Tussy and R. David Gustafson**

Edition: **3rd**

Important Dates: Last day to drop **without** a "W"(in person) ----- **Friday, September 26**

Last day to drop **without** a "W"(Internet/STEP) -**Sunday, September 28**

Last day to drop **with** a "W"(in person) " ----- **Friday, November 21**

Last day to drop **with** a "W"(Internet/STEP) ----- **Sunday, November 23**

Final Exam:

Course Objectives:

Whole Numbers: whole numbers, order of operations, solving equations. **The Integers:** an Introduction to integers, subtracting integers. **The Language of Algebra:** translating written phrases, writing and evaluating expressions. **Fractions and Mixed Numbers:** adding and subtracting fractions, multiplying fractions and mixed numbers. **Decimals:** decimal conversions, ordering numbers. **Graphing, Exponents, and Polynomials:** coordinate plane. **Percent:** percent. **Ratio, Proportion, and Measurement:** measurement. **Introduction To Geometry:** perimeter and area.

Homework, Quizzes, and Exams:

Homework from the textbook will be assigned and reviewed in class. Homework will be collected and graded. Since the exams will closely resemble homework exercises, success in the course strongly depends on diligently completing all assignments in a timely fashion. I cannot stress this last point enough! Students must complete all assignments on time and come to class prepared. We will have 6 in class closed-book and no calculator exams and one midterm. The exams may cover any material discussed in class up to and in some cases including material covered the day before. All exams should be considered cumulative. We will also have 6 pre-announced quizzes. No make-up exams will be given, but only 5 best exams and quizzes will be chosen towards your grade. Successful students should plan to spend at least two hours of study outside of class for each hour of discussion. This translates into a **minimum of six additional hours per week.**

Read the textbook:

I strongly encourage you to read the text carefully. The lectures are designed as a supplement to and not an alternative for the textbook. Students are expected to master all topics in the textbook unless otherwise indicated and regardless of whether they are mentioned in the lecture.

Class comporment:

All students are expected to arrive on time. Late arrivals are disruptive to both the lecturer and students. Students must turn off all pagers and cell phones while in class. Students are encouraged to ask questions and make comments on the lecture material. This should be done in a courteous manner by raising one's hand and being recognized. Side conversations between students that disrupt the flow of the lecture will not be tolerated. It is the student's responsibility to manage his or her academic workload. Should a student decide to stop attending class it is their responsibility to drop the class. All students appearing on the grade roster will receive a grade regardless of whether they are attending classes or not.

Grading:

Your final grade is based on several factors; these factors and their percentage contribution to your grade are as follows. **NO MAKE-UP**

5 exams	35 %
Quizzes	10 %
Homework	5 %
MIDTERM	20 %
Final Exam	30%

90% - 100%	A
80% - 89%	B
70% -79%	C
69% - 60%	D
0 % - 59%	F

Course

The course will follow the tentative schedule as closely as possible.

Organization:

Approximate Timetable
MONDAYS

Week	Date	
1	Sep. 2	NO CLASS
2	Sep. 8	1.1 to 1.7
3	Sep. 15	2.1 to 2.6
4	Sep. 22	Test # 1 (1.1 – 2.6) 3.1 to 3.3
5	Sep. 29	3.4 to 3.6
6	Oct. 6	Test # 2 (3.1– 3.6) 4.1 to 4.3
7	Oct. 13	4.4 to 4.8
8	Oct. 20	Test # 3 (4.1 – 4.8) 5.1 to 5.4
9	Oct. 27	MEADTERM (1.1 – 4.8) 5.5 to 5.7
10	Nov. 3	Test # 4 (5.1 – 5.7) 6.1 to 6.3
11	Nov. 10	NO CLASS
12	Nov. 17	6.4 to 7.1
13	Nov. 24	Test # 5 (6.1 - 7.1) 7.2 to 7.4
14	Dec. 1	8.1 to 9.3
15	Dec. 8	Test # 6 (7.2 - 9.3) 9.4 to 9.6
16		<u>FINAL EXAM (1.1 – 9.6)</u>

MATH 112 Pre - Algebra Homework Assignments

OOO -every other odd (ex. 1, 5, 9...)

ODDS (ex. 1, 3, 5...)

ALL (ex. 1, 2, 3, 4, 5....)

Chapter	Homework
Ch. I	1.1 1-71 EOO
	1.2 1-83 EOO
	1.3 1-91 EOO
	1.4 1-91 EOO
	1.5 1-91 EOO
Ch. II	1.6 1-85 EOO
	1.7 1-59 EOO
	2.1 1-89 EOO
	2.2 1-89 EOO
	2.3 1-89 EOO
Ch III	2.4 1-75 EOO
	2.5 1-93 EOO
	2.6 1-57 EOO
	3.1 1-63 ODDS
	3.2 1-59 ODDS
Ch. IV	3.3 1-77 ALL
	3.4 1-87 ODDS
	3.5 1-93 ODDS
	3.6 1-37 ODDS
	4.1 1-93 EOO
Ch. V	4.2 1-85 EOO
	4.3 1-67 ODDS
	4.4 1-82 EOO
	4.5 1-67 EOO
	4.6 1-75 ODDS
	4.7 1-63 EOO
	4.8 1-83 EOO
5.1 1-51 ODDS	
5.2 1-77 EOO	
5.3 1-83 EOO	
5.4 1-79 EOO	

Chapter	Homework
Ch. VI	5.5 1-102 ODDS
	5.6 1-77 ODDS
	5.7 1-75 EOO
	6.1 1-39 ODDS
	6.2 1-53 ODDS
Ch. VII	6.3 1-101 EOO
	6.4 1-63 ODDS
	6.5 1-71 ODDS
	6.6 1-69 EOO
	7.1 1-73 ODDS
Ch. VIII	7.2 1-43 ODDS
	7.3 1-47 ODDS
	7.4 1-34 ALL
	8.1 1-87 ODDS
Ch. IX	8.2 1-67 ODDS
	9.1 1-87 ODDS
	9.2 1-34 ALL
	9.3 1-69 ODDS
	9.4 1-57 ODDS
	9.5 1-65 ODDS
	9.6 1-55 ALL

Learning Outcomes

- 1) Find the prime factorization of a given number.
- 2) Evaluate expressions using order of operations.
- 3) Simplify expressions with exponents.
- 4) Solve equations with whole numbers and integers.
- 5) Combine like-terms.
- 6) Analyze word problems, translate into linear equations and solve.
- 7) Evaluate expressions with fractions and mixed numbers, including order of operations and complex fractions.
- 8) Evaluate expressions with decimals and square roots.
- 9) Analyze and graph linear equations.
- 10) Convert numbers to percents and evaluate applications such as discounts, interest, commissions, etc.
- 11) Solve ratios and proportions, translate and solve word problems thereof.
- 12) Calculate perimeters and areas of polygons
- 13) Distinguish between complementary and supplementary angles as well as acute, right, obtuse, and straight angles.