

MATH 115 (Elementary Algebra) Spring 2012
Los Angeles Southwest College @TEC-211
MW 11:10 AM-1:40 PM Feb 6 – June 4

Instructor: Mr. Ramos
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Web Page: www.LASC.edu/RamosGA Download practice final exam questions.

Office location: TEC 281C **Phone:** 323-241-5262

Office Hours: MTWTH, 7:30-8AM, 9:10 -9:35AM, MW 10:45-11:10AM, and TTh11:30 AM-12:30 PM all in **TEC 281C**

Prerequisites: Passed Math 112 with a “C” grade or appropriate score on placement exam

Textbook: **BEGINNING ALGEBRA Custom Bundle** by Lial-Hornsby-McGinnis
ISBN# 1-256-27678-2 textbook with MYMATHLAB (software required)

Attendance/ 1. Class begins at 11:10 A.M. Be on time!
Tardy Policy: 2. If you miss **any** day of the first week of class's you **will be dropped**.
3. This is a 5-unit course. You will be allowed 5 hours of absence time. This translates into **two** allowed absence days (**unexcused or excused count**). Arriving late five times or leaving early five times counts as one absence! I may take roll anytime during the class. If you are not present during roll time, it's your responsibility to let me know that you were late by class end or else it will count as an absence. **Students are responsible for all announcements made in class regardless of their presence.**
*****You **will be dropped** on the third absence - **No Exceptions*******
It's your responsibility to drop!

Adding Policy: Add **deadline** Thursday Feb 16 (NO EXCEPTIONS) Ticket No. 1665

Material
Covered: **Sections Covered:** Chapter 1-9 **The entire book! – Bring it to class daily**
This course prepares students for their second course in Algebra.

Objectives: We will have a balance approach to mathematics utilizing computational skills, conceptual understanding and problem solving.

1. Solve problems that involve integers, signed fractions and decimals applying properties of real numbers.
2. Evaluate and simplify algebraic expressions.
3. Solve linear equations and inequalities in one variable using the properties of equality.
4. Solve various application problems involving: unknown numbers, consecutive integers, geometric formulas, ratio and proportion, percent, mixture, simple interest, denominations of money, and distance-rate-time.
5. Graph linear equations using intercepts, slope and y-intercept. Find the slope of a line from its graph or from the equation. Find the equation of a line by using slope and y-intercept or using two points on the line. Graph linear inequalities in two variables.
6. Solve systems of linear equations by graphing and algebraic methods.
7. Simplify expressions using rules for positive and negative exponents. Add,

- subtract, multiply, and divide polynomials. Apply special product formulas.
8. Use appropriate strategies in factoring out the greatest common factor, factoring by grouping, factoring trinomials, special binomial factorization formulas and perfect square trinomials. Solve quadratic equations by factoring with applications.
 9. Simplify rational expressions by factoring and dividing out common factors. Add and subtract rational expressions having the same or different denominators. Simplify complex fractions. Solve equations and applications with rational expressions.
 10. Identify and apply different techniques for simplifying radical expressions. Solve radical equations and applications with radical expressions or formulas.
 11. Solve quadratic equations and applications by the square root property, completing the square method and quadratic formula.
 12. Review problems from common final exam study guide given by math department.

SLO's:

As a result of this learning experience a student can:

1. **Graph a linear equation in two variables by finding the x and y intercepts.**
2. **Apply the problem solving technique to applied problems.**

Math Lab:

Students enrolled in this course are required to spend about 1.25 hours each week in the Math Lab for a total 18 hours by semester's end. Location: Tec 190. Hours of operation: MTWTH: 9:30am-7pm, Sat: 9am-1pm. Free tutoring & workshops are available. Also: Free Tutoring programs. Last day to complete your 18-hour obligation is Sat May 26.

Homework:

Homework will be assigned every meeting and it is to be done daily. An assignment submitted late **will not** receive any credit. **Staple** the homework in order, with last name first, chapter, and section numbers. Clearly label each section at the top right of each page. **Write your Roster # on the upper right hand corner on everything you turn in. Homework assignment consists of two parts.** Homework part I: Homework assigned from the textbook will be submitted online using My Math Lab software provided with your textbook bundle. H.W. Part II consists of Learning Activity worksheets which will be submitted on test days.

Grading:

Homework (Due on every test day) <u>Note cards</u> (due every other test day)	10%
Tests	55%
Final Exam (Comprehensive, departmental)	25%
In class work /participation and Quiz's	5%
Math Lab (18 hours) Mandatory	5%

A 90-100% **B** 80-89.5% **C** 70-79.5% **D** 60-69.5% **F** below 60%
 To pass the class (receive "C" grade), your overall grade must be at least 69%.

Final Exam: Wed June 4 @ 12:30 AM-2:30 PM. You must take the final exam to receive a passing grade.

Tentative Exam schedule: Ch1 Test Wed Feb 15

ALL EXAMS ARE CLOSED BOOK AND NO NOTES. NO CALCULATORS ARE ALLOWED!

***** **THERE ARE NO MAKEUP EXAMS/QUIZ*******

Note: If for any reason you do not take a test, I will drop one Test (lowest **or** one missed); This **does not** apply to a missed final exam, or an exam in which a student received a "0" due to the academic dishonesty policy.

ACADEMIC DISHONESTY: Cheating will not be tolerated. You will be reported without hesitation to the appropriate school authorities and **receive a “0” grade** for the assignment.

Calculator Policy: All of the skills related to the course must be demonstrated without the use of a calculator. Calculators **will not** be permitted on exams or on any activity in class.

FOOD/DRINK POLICY: No food, No drinks, No Gum in class. **Only** clear bottled water allowed.

CELL PHONE/ELECTRONICS DEVICES POLICY: Please put away (not on your desk or lap) and Turn off (or silent mode) **all** electronic devices and cell phones during class.

Text messaging is not allowed during class.

If there is any cell phone use you may be asked to dismiss yourself from that class meeting.

Cell phone use during an exam: You will **receive a “0” grade** on the exam, if any electronic device is on your desk or is used during the exam period.

If your cell phone rings anytime during class time, it will count as an absence.

Note: Please limit your talking during class to discussions with the instructor. Talking during class is not acceptable; respect your peers by listening and participating at the appropriate times

Class Climate: Each of you is expected to contribute to each class session by arriving on time, being attentive, and participating in the class discussion/problems. Disruptive conversions, eating, texting, any cell phone use, and sleeping are not acceptable behaviors in the class environment. In addition to arriving on time, students are expected to stay the whole class period. Please avoid disrupting fellow classmates by arriving late or leaving early. Students are encouraged to ask questions. The only wrong question is an unasked question; if asking that question would have improved your understanding. I will attempt to answer all student questions during class.

Conduct: Dishonest or **disruptive behavior** is grounds for being dropped from the class.

Drop deadlines: no “W” Sunday March 4* and Drop with a “W” deadline Sunday May 6*(online)

Holidays: Mon Feb 20 Pres’ Day Mon May 28 Memorial Day, & SPRING BREAK: Mon April 2-Monday April 9

Student ID checking: I will be checking for a valid picture ID (CA ID or drivers Lic or Student ID)

Students with disabilities who need any assistance or accommodations should contact the instructor by the end of the first day of class. FYI- DSPS office (323) 241-5480

Steps for success in math:

1. Buy your book today! **And bring it to class daily!** (2 copies in library, 2 copy in Math Lab, & 1 in my office during office hours only)
2. Attend class regularly and be on time ready to learn.
3. Ask questions.*
4. Find a quiet place to do your work.
5. Before you attempt your homework: Read your book carefully, work out the examples in the book, Reread your class notes and practice the examples worked in class.
6. Start your homework soon after class.
7. Completing the homework and studying are different. After completing the HW, go back and review (study) the major ideas that have been presented thus far.
8. Learn from your mistakes and successes. When you receive your quizzes/Tests (regardless of what the score is), find time to re-do them. Re-do your Tests 3 to 5 times on weekends until you know the information

- well. **Required Improvement Plan:** If your test score is below 65, redo in lab, I will check it during office hours, and you shall retake the test.
9. Prepare for each test. 10. Attend office hours and Math Lab.
11. NEVER GIVE UP! LEARNING COMES FROM DOING!

MATH 115 HOMEWORK ASSIGNMENTS

CHAPTER # 1 –READ THE CHAPTER

Section 1.1 # 1- 81(EOO) Section 1.2 # 1-79 (EOO) Section 1.3 # 1-81 (EOO)
 Section 1.4 # 1- 63(EOO) Section 1.5 # 1-99(EOO) Section 1.6# 1-127(EOO)
 Section 1.7 # 1-53(EOO) Section 1.8 # 1-81(EOO)

CHAPTER # 2 –READ THE CHAPTER

Sect 2.1 # 1-65 (EOO) Sect 2.2 # 1- 69(EOO) Sect 2.3 # 1-59(EOO) Sect 2.4 # 1-57(EOO)
 Sect 2.5 # 1-85 (EOO) Sect 2.6 # 3-67 (EOO) Sect 2.7 # 1- 51(EOO) Sect 2.8 # 1- 81(EOO)

CHAPTER #3 –READ THE CHAPTER

Sect 3.1 # 1-73 (EOO) Sect 3.2 # 1- 61(EOO) Sect 3.3 # 1-63(EOO) Sect 3.4 # 1-65(EOO)
 Sect 3.5 # 1- 31(EOO) *Sect 3.6 # 1- 37(EOO)*

CHAPTER # 4 –READ THE CHAPTER

Sect 4.1 # 1-41 (EOO) Sect 4.2 # 1- 41(EOO) Sect 4.3 # 1-25(EOO) Sect 4.4# 11-39(EOO)
 Sect 4.5 # 1- 23(EOO)

CHAPTER # 5 –READ THE CHAPTER

Sect 5.1 # 1-79 (EOO) Sect 5.2 # 1- 77(EOO) Sect 5.3 # 1-73(EOO) Sect 5.4 # 1-95(EOO)
 Sect 5.5 # 1- 83(EOO) Sect 5.6 # 1- 75(EOO) Sect 5.7 # 1- 73(EOO)

CHAPTER # 6 –READ THE CHAPTER

Section 6.1 # 1-85(EOO) Section 6.2 # 1-59(EOO) Sect 6.3 #1-77(EOO)
 Section 6.4 # 1-81(EOO) Section 6.5 # 1-81(EOO) Sect 6.6 #1-31(EOO)

CHAPTER # 7 –READ THE CHAPTER

Sect 7.1 # 1-81 (EOO) Sect 7.2 # 1-55(EOO) Sect 7.3 # 1-69(EOO) Sect 7.4 # 1- 71(EOO)
 Sect 7.5 # 1-35(EOO) Sect 7.6 # 1-81(EOO) Sect 7.7 # 1-(EOO) Sect 7.8 # TBA

CHAPTER # 8 –READ THE CHAPTER

Sect 8.1 # 1-105 (EOO) Sect 8.2 # 1- 111(EOO) Sect 8.3 # 1-73(EOO) Sect 8.4 # 1-85(EOO)
 Sect 8.5 # 1-85 (EOO) Sect 8.6 # 1- 75(EOO) Sect 8.7 # 1-71(EOO)

CHAPTER # 9 –READ THE CHAPTER

Sect 9.1 # 1-55 (EOO) Sect 9.2 # 1- 35(EOO) Sect 9.3 # 1-45(EOO) Sect 9.5 # If time P

NOTE: (EOO) means Every Other Odd. Ex. 1, 5, 9, 13, 17,21,25,29,33,37,41,45,51,55,59,...
Subject to change

***Indicates Sunday deadline - transactions must be processed online only. In-person transactions must be processed no later than 1:00pm on the prior Friday.**