

LOS ANGELES MISSION COLLEGE
MATH 115 - **ELEMENTARY ALGEBRA**
FALL 2008 - Ticket # 3319 - Rm: Inst 1017
MW 7:00 - 9:30 - Actual Instruction 2 ½ hr
Dr. Albert Hemenway
Office Hours MW 6:30 - 6:55; Room: Inst 1017
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Textbook: *Elementary Algebra for College Students*, 8th ed. - Kaufmann/Schwitters (about \$100+tax)
Supplemental (optional): Solution Manual (about \$29 + tax)

Course Objective: An introduction to the concepts of algebra, including properties of real numbers; linear equations and inequalities; polynomials; factoring first-and second-degree expressions; solving rational equations; graphing; exponents; roots and radicals; systems of equations; and quadratic equations. Contains a variety of problems including application problems.

Learning Outcomes: Upon completion of this course, the student will be able to:

1. Write and solve linear algebraic equations and inequalities.
2. Simplify algebraic expressions.
3. Construct and analyze a linear graph in a Cartesian coordinate system.
4. Solve quadratic and rational equations.
5. Solve a system of two linear equations.
6. Setup and solve application problems.

Required work: *Minimum* 1 to 2 hours of uninterrupted time per class period. Review written material including examples. Do assigned odd numbered exercises as homework each class period. Homework will be collected on the day of each test. No late homework will be accepted.

Tutoring: Free tutoring is available in the Math Center, which is located in the basement of the Campus Center.

Testing: Questions on tests will be based on examples worked in class, and assigned homework. There are no make-ups on missed tests. The use of a calculator is allowed.

Computer Software: The CD (which is provided with the textbook) shows a teacher working out the exercises marked with a CD icon in each Exercise Set. See instructions for use on the opposite side.

Final: All Math 115 students are required to pass a comprehensive department final. Failure to take this examination at the scheduled time and day will result in a score of zero. This examination will be held in the Bungalows, SATURDAY, DECEMBER 20, 2008 FROM 10:15 TO 12:15. All students are required to be present 15 minutes prior to the examination. Students must present a valid picture IDENTIFICATION.

Cheating: Any work that is not the student's or that the student has allowed others to copy will receive an automatic "F" for the assignment or the course.

Attendance: The student is expected to attend **every** meeting of all classes for which he or she is registered. Violation of this regulation will result in exclusion from class. The procedures for dropping classes are detailed on page 8 of the Fall 2008, Schedule of Classes.

Grading:	5 tests at 30 points, 3 tests at 25 points	400 points total
	1 midterm at 45 points (Oct 27)	360 - 400 = A 225 - 269 = D
	1 final at 100 points (Dec 20)	320 - 359 = B 0 - 224 = F
	30 points for homework (3 pts per chapter)	270 - 319 = C

Notes: Please turn off your cell phone during class time as a courtesy to the instructor and your fellow students. Advice from one student on passing the class: "Do your homework, be in class every day, ask questions, and most importantly, give an HONEST effort in class!"

Tentative Schedule of Assignments

<u>Date</u>	<u>Assignments</u>	<u>Date</u>	<u>Assignments</u>
Sep 3 w1	1.1, 1.2 (GCF), 1.5 (properties), 1.3; 1.4 p7-8# 1-53/p14#51-73/p21-2#11-65/p27-8#1-73	Oct 27 w9	MIDTERM (45) Ch 1-5
Sep 8 w2	1.5 (similar terms), 2.1, 1.2 (LCM), 2.2, 2.3 p37#31-79/p50-1#1-73/p14#75-85/p59-60#1-63,81-95/p 71-2#9-73	Oct 29	6.4, 6.5 p259-60#1-49,51-79/p268-9#1-11,13-39,41-69
Sep 10	2.4, 3.1, 3.2, 3.3 Solving equations p78-9#1-19,47-99/p98#1-65/p104#1-39/p112#1-31	Nov 3 w10	7.1, 7.2, 7.3 Algebraic Fractions p277-8#1-59/p282-3#1-45/p288-5-9#1-79
Sep 15 w3	Test 1 & 2 (30) , 3.4, 4.2 (decimals) p 120-1#1-59/p 159 #1-21	Nov 5	7.4, 7.5, 7.6, Final Review 3, Sample Final2 p296-7#1-39,41-43,49-51/p303#1-39,41,49,51/p313#1-31,33,35,37
Sep 17	3.5, 3.6 Solving inequalities p 130-1 # 11-59 / p 137 # 1-65	Nov 10 w11	Holiday
Sep 22 w4	Test 3 (25) 2.5, <u>Miscellaneous</u> word problems p84-5#13-39/ p105 # 67,68	Nov 12	Test 6 & 7 (30) <u>Work, Digit</u> problems p314#42,43,44,45
Sep 24	3.2,3.3,3.4,4.4,4.5 <u>Number, RTD, Solution</u> problems p104#41-43,51-53/p112#35-38(all)/p121#61-67/ p175#31-36/	Nov 17 w12	9.1, 9.2, 9.3 Roots and Radicals p391#59-69/p397#1-65/p403#11-71
Sep 26	Last day to drop WITHOUT a "W"	Nov 19	9.4, 9.5, 10.1, 10.2 p409#1-69/p415-6#1-39/p431#19-49
Sep 29 w5	4.2, 4.3, <u>Percent</u> (Discount/Profit/Interest)/ <u>Formulas</u> p159-60#23-45/pg167#1-9	Nov 21	Last day to drop WITH a "W"
Oct 1	4.1, 4.3(solve/variable), <u>Proportion</u> , Final Review 1 p151-3#1-55,(58,59,70,72)/p169#55-69	Nov 24 w13	10.3, 10.4, 10.5 Quadratic formula p 442-3 # 1-47 / p 448 # 1-45 / p 454 # 1,2
Oct 6 w6	Test Word Problems (30) , 5.1 Polynomials p193-4#9-59	Nov 26	8.7, 8.6, 8.5, 8.1 Intro p 379 #1-5, 9-11,23 / p369 #1-23
Oct 8	5.2, 5.3, 5.4 Multiplying/Dividing Polynomials p200#1-59,71-79/p207-8#11-105/ p 212-3 # 1-49	Dec 1 w14	Test 9 & 10 (30) <u>Geometry</u> problems 2 Common Final Review 4
Oct 13 w7	Test 4 (25) 5.5, 5.6 p 217-8 # 1-33 / p 224 # 31-83	Dec 3	8.2 Graphing, 8.3, 8.4 ($y = mx + b$) p330#31-49/p339#1-13,27-33/ p347#1-17,63-67/p356#23-31,33,39
Oct 15	<u>Age, Coin, Geom</u> Ex:p111#3,4/p165#2 Final Review 2 p182#31/p122#73,75,77/ p113#43,45/ p167#15,16	Dec 8 w15	8.3,8.4($Ax + By = C$),Final Review 5,Sample3 p347-8#41-47/p356#1-11,13-21,35-37,41-43
Oct 20 w8	Test 5 (30), Sample Final 1 Review for midterm	Dec 10	Ch 11, Test 8 (25) Review for final using Sample finals
Oct 22	6.1, 6.2, 6.3 Factoring p238#11-37,61-79/p244-5#13-39,41-63/p253#1-29,31-49	Dec 20	FINAL (100) 27 class days + 1 for testing

Using the CD that Accompanies Kaufmann's Elementary Algebra


First Time:

- Place the CD in the CD Rom drive on your computer. The program will automatically start.
- Click on Next multiple times until the files are copied to your computer. (Copy or move the startup icon to your desktop)
- Click on the icon to open the program.
- Your first and last names are required, the other information is optional. (You can check to remember your login information.)

Thereafter:

- Double click on the icon to open the program. Click Log In.
- Single click on a chapter title to reveal all of the sections available for that chapter, then click on a section title to view the Video Lessons, Skill Builder and/or Section Quiz (see across top) for that section, or click on the chapter test to test your knowledge of some or all of the chapter topics. Note that Video Lessons is the default.

Video Lessons: Contains more than 8 hours of video instruction. The problems worked during each video lesson are shown next to the viewing screen so that students can try working them before watching the solution.

- The examples noted in the textbook are worked out for you.
- The example will be displayed on the screen. Click on the arrow  at the bottom to start the video. The video will continue until done. If you miss part of the explanation, click on the box to stop the video and start over again at the beginning.

Skill Builder: Presents problems to solve, evaluates answers, and tutors students by displaying complete solutions with step-by-step explanations.

- Either accept Default Setup or select Custom Setup. Click on Begin Working Problems.
- You will be given problems to work out. There will be multiple-choice answers. Click on the answer you choose.
- In Instructions, you will see if your answer is correct or incorrect. If you get an incorrect answer, click on Solution Setup 1 and Next Step to review the concept being tested.

Section Quiz: Allows students to generate large numbers of quiz problems keyed to problem types from each section of the book.

Chapter Tests: Provides large numbers of problems keyed to problem types from each chapter.