Intermediate Algebra
Fall 2012
Mathematics 103
Section # 52588
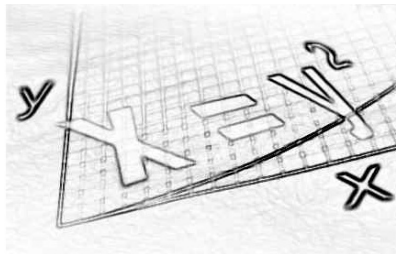
Instructor:	Dr. John Heathcote	**Class Times:** TTh 1:00-3:20 pm
Office:	FEM – 1B (in the math center)	**Classroom**: SOC-31

Phone: 638-3641 ext. 3215

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Office Hours: Mondays, 10:00-10:50 am and 12:00-12:50 pm *(on duty in math center)*
Wednesdays, 10:00-10:50 am and 12:00-1:50 pm
Fridays, 10:00-10:50 am
Or feel free to stop by or make an appointment

<u>**Optional**</u> **Text:** <u>Elementary and Intermediate Algebra</u>, **3rd Edition**, George Woodbury

<u>**Required**</u> **Access to Web-Based Homework:** We will be using a textbook website for submitting homework after each class. You are required to have access to this site in order to submit your work. You can get access to this site either with an access code provided when you purchase the textbook or by purchasing the access online, using a credit card.

To register for the MyMathLab homework website, go to www.mymathlab.com. Click on the "student" tab listed under "register".   The Course ID for our course is "heathcote35068". You will need to create a Pearson account, unless you have already used MyMathLab. Then, you can either enter an access code or purchase access by using a credit card. (<u>If you used MyMathLab for Math 101 here at Reedley College, you do not need to purchase access again. You should be able to just register for the class</u>.) You can select "request temporary access" if you do not want to purchase your access code right away. You will have access for 17 days. You will need to enter an access code or pay by credit card during those 17 days to keep access in the course.

Calculators may be used in this class and will be necessary for some calculations. I would recommend a scientific calculator that shows the expression as you type it in. The TI-30XIIS – Advanced 2-Line Calculator - - ($18.99 in the bookstore) is a good, economical choice. (Note: I would not recommend the TI-30XA. It will be more difficult to enter more complicated expressions.)

Prerequisite: Math 101 or placement test

Catalog Description: This course will deal with many algebraic concepts including: equations and inequalities in two variables, rational exponents and roots, quadratic functions, exponential and logarithmic functions, and conic sections.

Grading:	70%	Quizzes, Tests, and Final Exam
	20%	Online Homework
	10%	In-Class Activities and Worksheets

Grading Scale:	90-100%	A
	80-89.9%	B
	70-79.9%	C
	60-69.9%	D
	<60%	F

Quizzes and Tests: Quizzes (15-30 minutes in duration) will be given regularly, at least once per week. These quizzes will test that you are keeping up with the content for the course. Longer tests (60 minutes to a full period) will be less common. These tests will be announced ahead of time. If you will not be able to attend class for a test, you need to make prior arrangements to take the test at another time. If you are sick on the day of a test, you must contact the instructor by phone or email before class.

Final Exam: The material in this course is used in many courses that follow in both math and science. Because of this, it is not acceptable to just forget everything once you take a chapter test. So, a comprehensive final exam will be given during final exam week.

Online Homework: "Practice makes perfect" is particularly true in mathematics. Therefore, it is critical that you do your homework and put in a good effort in using that homework as a way to learn and practice the material. You will access your homework on the textbook website. You are able to print out a copy of your homework if you would like to work them all out before entering your answers on the computer. When you do submit answers on the computer, you will immediately find out if you are correct. If you are incorrect, you will have multiple attempts to correct your answer.

Late Work: You will still be able to access an online homework assignment after the due date. However, your will lose more points for each day that you are late.

Worksheets and In-Class Activities: Occasionally in class, there will be a worksheet assigned to follow up on the concepts that we are practicing in the course. These worksheets will be collected and graded. It is important that you work through these worksheets and ask for help as necessary. Problems from these worksheets are a preview for what to expect on tests. Also, at times, there will be other in-class activities that are also collected and graded.

Cheating and/or plagiarism: Cheating and/or plagiarism will not be tolerated. A student will receive no credit for the assignment if in the opinion of the instructor the individual has cheated.

Attendance and participation: It is important that you come to class every day and *participate actively*. Arrive on time. Late students not only miss important material but also distract the rest of the class.

Learning mathematics is not a passive activity. As we progress through topics, students will be given problems in class to practice new skills. During this time, all students are expected to have paper out and to be actively working on these math problems with the rest of the class.

If you miss more than two weeks worth of class sessions, you may be dropped. (However, if you decide to drop the course, it is **your** responsibility to make the drop official in the Administrations and Records Office or else possibly receive a grade of F.)

Accommodations for Students with Disabilities:
If you have a verified need for an academic accommodation or materials in alternate media (i.e., Braille, large print, electronic text, etc.) per the Americans with Disabilities Act (ADA) or Section 504 of the Rehabilitation Act, please contact me as soon as possible.

Please turn off cell phones before the start of every class period.
The use of phones for calls, texts, or other activities is prohibited without previous approval from the instructor.

Add Date:	Friday, August 31st	Last day to add a course
Drop Date:	Friday, October 12th	Last day to drop this course
Holidays:	Thursday, November 22nd	Thanksgiving Holiday
Final Exam:	Thursday, December 13th	1:00-2:50 pm

Course Outline:

Chapter 8	A Transition
Chapter 9	Radical Expressions and Equations
Chapter 10	Quadratic Equations
Chapter 11	Functions
Chapter 12	Logarithmic and Exponential Functions
Chapter 13	Conic Sections

COURSE OBJECTIVES:

In the process of completing this course, students will:

A)   use function notation and the properties of lines and linear inequalities.
B)   simplify radical expressions and perform operations on radical expressions.
C)   graph parabolas and solve quadratic equations.
D)   use the properties of exponents and logarithmic functions to change the base of a logarithm.
E)   generalize arithmetic and geometric sequences and find the k^h term of a binomial expansion.
F)   manipulate and graph equations of conic sections.

Academic Dishonesty

Students at Reedley College are entitled to the best education that the college can make available to them, and they, their instructors, and their fellow students share the responsibility to ensure that this education is honestly attained. Because cheating, plagiarism, and collusion in dishonest activities erode the integrity of the college, each student is expected to exert an entirely honest effort in all academic endeavors. Academic dishonesty in any form is a very serious offense and will incur serious consequences.

Cheating is the act or attempted act of taking an examination or performing an assigned, evaluated task in a fraudulent or deceptive manner, such as having improper access to answers, in an attempt to
gain an unearned academic advantage. Cheating may include, but is not limited to, copying from another's work, supplying one's work to another, giving or receiving copies of examinations without an instructor's permission, using or displaying notes or devices inappropriate to the conditions of the examination, allowing someone other than the officially enrolled student to represent the student, or failing to disclose research results completely.

Plagiarism is a specific form of cheating: the use of another's words or ideas without identifying them as such or giving credit to the source. Plagiarism may include, but is not limited to, failing to provide complete citations and references for all work that draws on the ideas, words, or work of others, failing to identify the contributors to work done in collaboration, submitting duplicate work to be evaluated in different courses without the knowledge and consent of the instructors involved, or failing to observe computer security systems and software copyrights.

Incidents of cheating and plagiarism may result in any of a variety of sanctions and penalties, which may range from a failing grade on a particular examination, paper, project, or assignment in question to a failing grade in the course, at the discretion of the instructor and depending on the severity and frequency of the incidents.