

Math 71
Intermediate Algebra
Summer 2009

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Office Hours: MW 6:30 - 7:00 p.m.

Text: *Intermediate Algebra for College Students* by Blitzer, Prentice Hall
Publisher, 5th edition
Student's Solution Manual Optional

Calculator: A scientific calculator is required but the calculator you buy should depend on the next class that you are taking.

Math 110 Recommend a TI-83

Trig/Pre-Calc/Calc Recommend a TI-86

Math 100 Recommend a scientific calculator

Attendance: Regular attendance is mandatory. If you are absent during the add period (the first week of class), **you will be dropped** and someone on the waiting list will be added. If you absent more than 2 times, **you could be dropped**. It is your responsibility, as a student, to withdraw if you decide that you will not complete the course. Do not expect your instructor to drop you. You are responsible for any material covered in class during your absence. Get phone numbers of friends in the class so that you can find out what was discussed during your absences.

Homework: Homework will be assigned daily, but homework from the text will only be collected on exam days. These homework packets will be graded for completeness and neatness. Other homework assignments are due as stated on the papers. You will have at least one of these a week and you will usually have one week to complete them. **No late papers will be accepted! No Excuses!**

Quizzes: Quizzes will be given as scheduled on the timetable. Mark your calendar. **No make-ups! No Excuses!** The lowest quiz grade will be dropped.

Exams: Exams will be given as scheduled on the timetable. Mark your calendar. **No make-ups! No Excuses!** If the final exam percentage is higher, it will replace your lowest exam percentage.

Final Exam: The final exam is cumulative and will be given as scheduled in the Course Schedule. Everyone must take the final exam. If the final exam percentage is higher than your lowest exam, it will replace the lowest exam.

Extra Credit: You can earn up to 10 points extra credit on the final exam by spending at least 20 hours in the MARC. If you spend less than 20 hours in the MARC, you will earn

a proportion of the 10 points extra credit. There are tutors in the MARC that can help you with your homework and questions. You can also borrow CDs of lectures by the textbook's author that might help you understand a topic.

Grading:

3 exams @ 15% each	45%
Final Exam	25%
Homework	10%
Quizzes	15%
Group work and worksheets	5%

A:	90% and above
B:	80% - 89%
C:	70% - 79%
D:	60% - 69%
F:	Below 60%

Cheating Policy

Acts of cheating and plagiarism are considered serious violations of the Mt. San Antonio College Student Discipline Policy, AR & P Section 609. All incidents of cheating and plagiarism will be reported to the Student Life Center. Cheating or plagiarism is the act of misrepresenting the work of someone else as your own or assisting another student by providing them with answers to exams or written work that is not their own. This includes copying from another, use of stolen exams, instructor's notes or test key, and failure to use quotation marks and citing the source when using the written work of another, including internet sources.

If a student is caught cheating on an exam, that student will receive a **“F” for that exam and your final will not replace the lowest exam percentage, if higher,** and cheating could result in disciplinary action such as suspension or expulsion. If a student is caught cheating on a quiz, the student will receive a **zero for that quiz and the lowest quiz grade will not be dropped.** Students are encouraged to review both the Academic Honesty Policy and the Student Discipline Policy which are printed in the College catalog for further clarification.

CHEATING IS A SERIOUS OFFENSE AND WILL BE TREATED AS SUCH.

Measurable Objectives for Math 71

A student will be able to:

1. Solve linear equations and inequalities in one variable, including applications. Solve absolute value equations and inequalities. Find and interpret the slope of a line. Find the equation of a line given information about the line. Solve systems of linear equations in two and three variables. Analyze and solve applications.
2. Interpret and analyze graphs; construct graphs; graph linear equations and linear inequalities, including systems.
3. Use the rules for exponents to simplify expressions. Add, subtract, multiply and divide polynomials. Factor polynomials, and solve equations by factoring.
4. Find the domain of a rational expression. Write rational expressions in lowest terms; multiply and divide rational expressions add and subtract rational expressions. Simplify complex fractions; solve rational equations and applications.
5. Simplify radical expressions; solve radical equations and applications involving radicals.
6. Solve quadratic equations by the square root principle, completing the square, and the quadratic formula; apply these techniques to other types of equations and to applications.
7. Define a function and find the domain and range; find the inverse of a function. Perform operations with linear, quadratic, logarithmic and exponential functions; graph and solve applications of these functions. Identify and graph the conic sections. Solve non-linear systems of equations.
8. Solve problems involving sequences and series; apply the binomial theorem.

The Student Learning Outcomes (SLOs) for this course can be found at my website: www.joansholars.com.

SLOs are used to assess the course--how well or if students are learning a particular topic.

Measurable objectives are instructional expectations for a given course that establish curricular elements and standards. Measurable objectives are used to assess whether a student knows the required material for that particular course.