

Three Rivers Community College
Pre-Algebra, Number Sense, Geometry – Self-Paced MAT 075
Spring 2012

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Text: Pre-Algebra, 6th edition, by Martin-Gay

MML Course Code: hawes01183

Credit: 3 credit hours (this course does not count towards graduation credit requirements)

Course Description: This course focuses on basic arithmetic and pre-algebra skills. Topics include: whole numbers, fractions, decimals numbers, proportions, ratios, percents, perimeter, area, volume, applications, signed numbers, algebraic expressions and equations.

Prerequisite: Appropriate placement score. A grade of “C” or greater is required to pass this course.

Course Requirements

Attendance: If you are NOT attending class on a given week, I expect an e-mail from you, *before* class begins on Tuesday, 5:30 p.m., addressing:

- whether you are attending class that night or working from home
- whether you are in accordance with the Goal Sheet. If not, why? And your plan of action
- I want contact with you weekly, in class or by e-mail
- Check your e-mail regularly for correspondence from me
- If you change your e-mail address, update the MyLab site
- Check Announcement page on MyMathLab regularly

Grading:

- Homework 10%
- Quizzes 25%
- Tests 40%
- Final Exam 25%

Final Exam is NOT on the computer**Bring to *Every* Class or have in work area at home:**

- Notebook
- 2 pencils, pen
- Highlighter – as you are learning, highlight those formulas you may need for the final exam. You are allowed one 4x6 index card with formulas only, no number examples.

Supplementary Tools & Resources:

- MyMathLab software
- Learning Center/TASC (1st floor, C-Wing, near library)
- Study Plan on MyMathLab (while you work, it records topics you need practice in)

Notebook Requirement:

- Label sections
- Take notes while you watch video or “help me solve this”
- Write problem from computer in pen
- Do work in pencil
- Enter your answer into the computer. If you get a problem incorrect, you can choose “similar example” to get another problem with a chance to replace incorrect result with correct result. 😊
- highlight what you might want to put on 4x6 index card for final exam
- highlight what you may need extra practice in when you are reviewing for tests/quizzes
- Show all your steps so *someone else* can follow them and you can study from them. Your final exam will be graded based on steps AND the correct answer.

Final Exam:

- **All coursework must be completed before final exam date**
- In class, on paper, **5/8/12**
- Allowed - multiplication chart, no calculator
- Allowed - 4x6 index card with formulas, no exact number examples
 - As you do coursework, highlight what you might want to put on an index card so you can easily see & transfer when you're doing review for final exam

Stay up-to-date according to Goal Sheet

**ALL coursework must be completed by the final exam date:
May 8, 2012**

MAT075 Course Outcomes

1. Add, subtract, multiply, divide, raise to powers, compute absolute value, graph on a number line and appropriate use of inequality symbols with signed numbers.
2. Add, subtract, multiply, divide, raise to powers, compute absolute value, graph on a number line and appropriate use of inequality symbols with fractions.
3. Add, subtract, multiply, divide, raise to powers, compute absolute value, graph on a number line and appropriate use of inequality symbols with decimals.
4. Identify proportions
5. Find equivalent ratios
6. Solve proportions
7. Set up and solve application problems using ratios and proportions.
8. Calculate perimeters, areas, and volumes of basic geometric shapes using appropriate units of measurement.
9. Solve first degree equations in one variable.
10. Solve basic word problems.
11. Use mathematics terminology effectively in writing and speaking.

Class Cancellation

MyMathLab Announcement
Sign on Classroom Door