

**Three Rivers Community College**  
**Pre-Algebra, Number Sense, Geometry – Self-Paced MAT 075**  
**Fall 2011**

**Instructor:** Susan L. Hawes  
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**Text:** Pre-Algebra, 6<sup>th</sup> edition, by Martin-Gay

**MML Course Code:** hawes87222

**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 that 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
- Check your e-mail regularly for correspondence from me
- 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

### **Supplementary Tools & Resources:**

- MyMathLab software
- Learning Center/TASC (1<sup>st</sup> 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 in pen, if you watch video, or “help me solve this”
- Write problem from computer in pen
- Do work in pencil
- 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
- 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.
- 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. 😊

### **Final Exam:**

- **All coursework must be completed before final exam date**
- In class, on paper, 12/13/11
- 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:  
December 13, 2011**

### **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**

Facebook Status  
MyMathLab Announcement  
Sign on Classroom Door