

**Three Rivers Community College**  
**Pre-Algebra, Number Sense, Geometry -- MAT 075-T11**  
**Thursday 6:00 – 8:45 p.m.**  
**Spring 2012**

**Instructor:** Susan L. Hawes  
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**Office:** C-122

**Text:** Pre-Algebra, 6<sup>th</sup> edition, by Martin-Gay  
**MyMathLab Course Code**            **hawes32247**

**Credit:** 3 credit hours (this course credit does not count towards graduation 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:** Attendance is mandatory. If you miss class, due to emergency, it is your responsibility to get the notes & assignments from that class and stay up-to-date. A classmate’s phone number is a good “just in case” plan.

**Grading:** There will be three exams, including the final, each worth 25% of your course grade. There will be several unannounced quizzes, typically given at the beginning of class, so it is to your advantage to be on time. If I distribute the quiz before you arrive to class, your quiz grade will be a zero. **There are no make-up tests/quizzes.** The lowest quiz score will be dropped (this allows for one absence/tardy due to emergency). The quiz average will be equivalent to one exam grade and is, therefore, 25% of your course grade. Come to **every** class prepared for a quiz. In addition, since our class meets only once per week, check [www.coursecompass.com](http://www.coursecompass.com) daily. I may have an announcement or online assignment that must be completed before the next class. That will be my primary contact with the class – by announcement on MyLab/Mastering.

**MyMathLab Homework:** Homework is critical to your success in this class and will be collected/recorded. As part of your HOMEWORK assignment, you will be expected to read the material that was lectured on in class that day. HW is due the class after lecture on a section. No late assignments accepted without a valid reason. Write the problem from the computer in pen; show work/steps in pencil. A 75 or higher is acceptable, print result page, staple to your work for the given section, hand-in the following class.

**Classwork:** If there is time after the lesson, classwork will be assigned. You are expected to write the problem (in pen) and follow all the steps given in class and on notes (in pencil). A 90 or higher is acceptable, print result page, staple to your work, hand-in for me to review and record.

**Bring to *Every* Class:**

- 3-ring binder w/loose leaf paper
- highlighter
- 2 pencils
- pen

**Organization of Binder:**

- Class Notes
- Classwork (CW) – labeled with section
- Homework (HW) – labeled with section
- Quiz goes after last section it covers
- Test goes after last chapter it covers

**Supplementary Tools & Resources:**

- MyMathLab software
  - Study Plan: Individualized Practice
- Learning Center/TASC
  - Free tutoring!

## **Class Cancellation**

MyMathLab Announcement  
Sign on Classroom Door

**Disabilities Statement:** If you have a disability which may require classroom or test-taking modifications, please see Chris Scarborough. Proper documentation must be provided to me before accommodations can be made.

## **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.