

## **PREALGEBRA – NUMBER SENSE, GEOMETRY (MATH 075)**

**TEXTBOOK: PREALGEBRA (6<sup>TH</sup> EDITION) by Elayn Martin-Gay**

CRN 10827

INSTRUCTOR – HENRY KOPIJ

SPRING 2014

MW 2:00 – 3:15 D206

E-MAIL [hkopij@trcc.commnet.edu](mailto:hkopij@trcc.commnet.edu)

### **COURSE DESCRIPTION**

This course focuses on basic arithmetic and pre-algebra skills. Topics include whole numbers, fractions, decimals, proportions, percents, signed numbers, algebraic expressions and equations, and elements of geometry including perimeter, area, and volume.

### **COURSE OUTCOMES**

1. Add, subtract, multiply, divide, raise to powers, compute absolute value, graph on the number line and appropriate use of inequality symbols with signed numbers.
2. Add, subtract, multiply, divide, raise to powers, compute absolute value, graph on the number line and appropriate use of inequality symbols with fractions.
3. Add, subtract, multiply, divide, raise to powers, compute absolute value, graph on the 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.

### **Course Supplement:**

Prealgebra (6<sup>th</sup> edition) by Elayn Martin-Gay is available as a hardcover textbook or as a on-line pdf file when you register for my Mathlab. The MyMathLab student access kit information is provided with the textbook or on-line.

## **Calculators are not allowed in this course:**

### **Attendance:**

Attendance is mandatory. After a third absence your grade will be lowered by one level: A to A-, A- to B+, etc. Excessive tardies may accumulate as one or more absences. Students who are absent 3 times will have one point added to their final grade, 2 absences will add two points, a 1 or fewer will add 3 points to the final grade. It is your responsibility for getting any class notes, homework, and any other assignment from a classmate so that the assignment is completed for the next class meeting. Unannounced quizzes may be given and cannot be made up if you are absent.

### **Grading Criteria:**

4 announced exams each worth 100 points

Quizzes 100 points (practice quizzes, exams, project)

Final Exam worth 300 points

Students who complete 90% or more of their assignments using Course Compass will count homework/take home assignment totaling 200 points and final exam will be worth 200 points.

**Final Grade** – Total points/8 without MyMathLab  
Total points /8 with MyMathLab

**A Grade of C is required to advance to the next math course.**

**Homework:** Homework assignments are due on the following class. Homework problems should be worked out in the student's notebook. All work should be clear so that others can understand the steps that justify answers. Work should be available to view upon the request of the instructor. Students are encouraged to use MML as a supplement.

**Exams:** Will be administered in class. **No make-up exams will be allowed unless there is an unavoidable situation that can be documented.** A student must contact the instructor on the day of the exam or earlier in order to be allowed to take a make up exam. A make-up test will be given at the end of the semester for students to make up a missed exam. Students can also use this make-up test to replace their lowest grade. Any subsequent missed tests will result in a zero.

**Extra Credit** – No "extra credit" is given in this course.

**Cell Phones:**

Cell phones and beepers must be turned off during class and may not be used as a calculator. Students who ignore this policy will be asked to leave class. If there is an extenuating situation, the student must contact the instructor prior to class.

**Plagiarism and Academic Honesty:**

At TRCC, we expect the highest standards of academic honesty. The Board of Trustees' Proscribed Conduct Policy prohibits cheating on examinations, unauthorized collaboration on assignments, unauthorized access to examinations or course materials, plagiarism.

**Disabilities** If you have a disability that may affect your progress in this course, please meet with a Disability Service Provider (DSP) as soon as possible. Please note that accommodations cannot be provided until you provide written authorization from a DSP.

<b>TRCC Disabilities Service Providers</b> Counseling & Advising Office Room A-119	
<b>Matt Liscum</b> (860) 383-5240	<ul style="list-style-type: none"> <li>• Physical Disabilities</li> <li>• Sensory Disabilities</li> <li>• Medical Disabilities</li> <li>• Mental Health Disabilities</li> </ul>
<b>Chris Scarborough</b> (860) 892-5751	<ul style="list-style-type: none"> <li>• Learning Disabilities</li> <li>• ADD/ADHD</li> <li>• Autism Spectrum</li> </ul>

**Important Dates:**

Feb 5 – Last day to add/drop for partial refund  
 Feb 24 – Last day to select audit option  
 Mar 17-24 Spring Break  
 Apr 14 Last day to select Pass/Fail option  
 May 12 Last day to withdraw  
 May 19 Last day of classes  
 May 20 Make-up/Supplemental session – Instructor discretion  
 May 30 Student grades available on Web

## MML Instructions

### Getting Started:

1. Valid e-mail address is needed
2. Course ID# kopij09462
3. Student Access Code (provided with purchase of book or register online)

### How to Register:

1. Go to [www.coursecompass.com](http://www.coursecompass.com) and click on **Register as a student**.
2. Enter: six word student access code found with textbook ( pull perforated strip)  
School zip code: **06360**  
Country: **United States**
3. Enter course ID# : kopij09462
4. Answer the required questions and create a user name and password. You will use this user name and password to access My Math Lab for the remainder of the course.

### Log in instructions after registering:

1. Go to [www.coursecompass.com](http://www.coursecompass.com)
2. Click **Log In** under the **Student** area.
3. Enter the user name and password that you created when registering
4. At the Welcome page, you will see your course under the heading **Courses you are taking**. Click the course name to enter MyMath Lab.
5. You must enable pop-ups from this site.
6. The first time you enter the site from your computer and anytime you use a new computer, click on the **MyMathLab Installation Wizard** link in the **Announcements** page. This wizard will walk you through the installation of the software you will need to run MyMathLab.

### Technical Problems:

Call Tech Support at 800-677-6337, M-F 9am-6pm EST or by clicking **Student Help** on the **Announcements** page or by reviewing the **tip sheets**.

**Text: PREALGEBRA - 6th Edition by K. Elayn Martin-Gay, Prentice Hall**

<b>Date</b>	<b>Chapter/Sections</b>	<b>Assignment</b>
1/27	1.7, 1.8	71/1-89 eoo, 79/1-85 eoo
1/29	2.1, 2.2	101/1-93 eoo, 109/1-81, eoo
2/3	2.3, 2.4	116/1-81 eoo, 124/1-117 eoo
2/5	2.5, 2.6	134/1-81 eoo, 144/1-41 eoo
2/10	3.1/Review	165/1-81 eoo
2/12	Test 1	
2/17	No Class	
2/19	3.2, 3.3	175/1-93 eoo, 184/1-69 eoo
2/24	3.4, 4.1	191/1-45 eoo, 215/1-91 eoo
2/26	4.2, 4.3	230/1-73 eoo, 241/1-73 eoo
3/3	4.4-4.5	255/1-77 eoo, 266/1-81 eoo
3/5	4.6, 4.7	277/1-53 eoo, 291/1-89 eoo
3/10	4.8, 5.1	304/1-69 eoo, 321/1-77 eoo
3/12	5.2/Review	342/1-89 eoo
3/17	Vacation	
3/19	Vacation	
3/24	Test 2	
3/26	5.3, 5.4	351/1-73 eoo, 363/1-89 eoo
3/31	5.5, 5.6	375/1-77 eoo, 381/1-41 eoo
4/2	5.7, 6.1	386/1-29 eoo, 409/1-69 eoo
4/7	6.2, 6.3	419/1-65 eoo, 427/1-45 eoo
4/9	7.1/Review	466/1-85 eoo
4/14	Test 3	
4/16	7.2, 7.3	475/1-45 eoo, 483/1-45 eoo
4/21	7.4, 7.5	493/1-57 eoo, 503/1-41 eoo
4/23	7.6, 9.2	510/1-25 eoo, 610/1-41 eoo
4/28	9.3/Review	624/1-37 eoo
4/30	Test 4	
5/5	Review	
5/7	Retest	
5/12	Review	
5/14	Final Exam	
5/19	If Needed	