PREALGEBRA-NUMBER SENSE, GEOMETRY (MATH 075)

CRN 10572
INSTRUCTOR – HOWARD JONES
SPRING 2011
THREE RIVERS COMMUNITY COLLEGE - ROOM D219
Thurs. 6:00-8:45pm
E-MAIL: hjones@trcc.commnet.edu

COURSE DESCRIPTION
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 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 rations 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.

TEXTBOOK
Pre-Algebra – by Elayn Martin-Gay (Sixth Edition)

Attendance/Homework/Requirements
It is strongly suggested that students make every effort to attend ALL classes. More than three absences during the semester will jeopardize the student's success in the course. Homework will be assigned on a daily basis. All homework assignments must be completed. Students will be required to have a two-section math notebook. One section is to be dedicated to class notes while the other section will be dedicated to homework. The student's math notebook should be available to the instructor at each class. At certain sections of the course, and at the discretion of the instructor, students will be allowed to use a calculator but are not allowed to bring in a paper with notes or formulas to class. Cell phones may not be used as a calculator and must be turned off during class.

Methods of Evaluation/Make-ups

Tests will be announced. Unannounced quizzes may be given at the discretion of the instructor. Tests that are missed for any reason <u>cannot</u> be made up (with the exception of snow conditions). A make-up test will be given at the end of the semester for the student to retake the test for which they received their lowest grade. The average of the two scores can be used to replace their lowest test grade. Final grades will be assigned according to the following:

CLASS AVERAGE	FINAL GRADE
90 -100	A- / A
80 - 89	B- / B+
70 - 79	C- / C+
60 - 69	D- / D+
Below 60	F

<u>NOTE: A grade of "C" or better (75) is required to pass this course and move on to Math 095.</u>

College Withdrawal Policy

Students may withdraw, in writing at the Registrar's Office, for any reason until the end of the 10th week of classes. From the 11th week through the end of the 13th week, a student may withdraw with the signature of the instructor or advisor.

Statement on Disabilities

If you are a student with a disability and believe you will need accommodations for this class, it is your responsibility to contact the Disabilities Counseling Service at 383-5240. To avoid any delay in the receipt of accommodations, you should contact the counselor as soon as possible. Please note that I cannot provide accommodations based upon disability until I have received an accommodation letter from the Disabilities Counselor. Your cooperation is appreciated.

Communications regarding closings, cancellations, and delays: In the event a decision is made to cancel or delay classes or to close school completely, this decision will be communicated in the following ways:

<u>Radio and Television Announcements</u> will be made on the following stations:

- TV Channel 3 – WFSB
- TV Channel 30 – WVIT NBC Connecticut News 30
- TV Channel 8 – WTNH
- WTIC/WRCH/WZMX Radio – Hartford
- WICH/WCTY/WNLC/WKNL Radio – Norwich/New London
- WSUB/Q105 Radio – Groton/New London
- WINY Radio – Putnam
- WADK Radio – Westerly
- WILI Radio – Willimantic
- WDRC Radio – Hartford

The College's website will also have announcements regarding any delays, cancellations or closings. This information may be obtained by accessing www.trcc.commnet.edu.

The myCommnet Alert Notification System will also be used to deliver important information to students, faculty, and staff regarding weather-related class cancellations. The system delivers both email messages, and text messages over cellular phones to those individuals who are registered. To register, log on to your myCommnet account at http://my.commnet.edu/ and follow the link to myCommnet Alert.

TENTATIVE SCHEDULE

Th	1/20	Exponents, Variables, Algebraic Expressions and Equations	1.7-1.8
Th	1/27	Integers, Order of Operations, Addition and Multiplication Properties	2.1-2.6
Th	2/3	College Professional Day - Class not in session	
Th	2/10	Simplifying Algebraic Expressions, Linear Equations	3.1-3.4
Th	2/17	TEST #1 (Ch. 1-3)	
Th	2/24	Fractions, Multiplying and Dividing Fractions, Like/Unlike Fraction	4.1-4.5
Th	3/3	Complex Fractions, Operations on Mixed Numbers, Solving Equations	4.6-4.8
Th	3/10	TEST #2 (Ch. 4)	
Th	3/17	Spring Break – Class not in session	
Th	3/24	Decimals, Adding, Subtracting, Multiplying, and Dividing Decimals	5.1-5.6
Th	3/31	Ratios, Rates, and Proportions	6.1-6.3
Th	4/7	TEST #3 (Ch. 5-6)	
Th	4/14	Percents, Percent and Problem Solving	7.1-7.6
Th	4/21	Perimeter, Area, Volume, and Surface Area	9.2-9.3
Th	4/28	TEST #4 (Ch. 7&9)	
Th	5/5	Review	
Th	5/9	Last day to withdraw from classes	
Th	5/12	FINAL EXAM	
W	5/27	Grades available on web (www.online.commnet.edu)	

HOMEWORK ASSIGNMENTS

1.7   Questions: 1, 3, 7, 13, 17, 19, 21, 23, 41, 45, 47, 49, 51, 55, 57, 65, 67, 81, 83, 89
1.8   Questions: 1, 3, 7, 9, 17, 21, 25, 29, 35, 39, 43, 49, 55, 61, 67, 71, 79, 83, 85, 87

2.1   Questions: 1, 5, 11, 15, 21, 23, 27, 29, 31, 37, 39, 45, 51, 57, 67, 71, 77, 81, 89, 91
2.2   Questions: 1, 5, 9, 17, 27, 37, 43, 59, 61, 69, 71, 75, 77, 83
2.3   Questions: 1, 5, 9, 21, 27, 41, 45, 51, 57, 61, 65, 67, 71, 73, 81
2.4   Questions: 1, 3, 7, 13, 17, 19, 25, 27, 33, 35, 59, 67, 83, 91, 95, 103, 109, 117, 119, 121
2.5   Questions: 1, 5, 9, 11, 19, 25, 27, 29, 31, 33, 35, 37, 39, 41, 43, 45
2.6   Questions: 1, 3, 9, 11, 15, 19, 21, 25, 31, 33, 41, 45, 49, 51

3.1   Questions: 1, 3, 9, 11, 13, 17, 21, 23, 27, 31, 37, 39, 43, 47, 51, 57, 65, 69, 71, 81
3.2   Questions: 1, 5, 11, 13, 15, 19, 21, 25, 27, 35, 39, 45, 75, 81, 83, 85, 87, 89, 91
3.3   Questions: 1, 5, 9, 11, 13, 17, 19, 23, 25, 27, 31, 35, 39, 43, 49, 61, 69, 71, 73
3.4   Questions: 1, 5, 9, 11, 15, 17, 21, 23, 25, 27, 31, 33, 39, 41, 45

4.1   Questions: 1, 9, 11, 15, 21, 25, 29, 33, 37, 41, 45, 51, 59, 63, 67, 69, 75, 81, 85, 91
4.2   Questions: 1, 3, 9, 15, 17, 23, 29, 37, 41, 49, 53, 55, 59, 63, 67, 73
4.3   Questions: 1, 3, 5, 7, 9, 13, 17, 19, 23, 25, 29, 35, 53, 63, 71, 73, 81, 87, 93, 95
4.4   Questions: 1, 3, 5, 7, 11, 15, 17, 19, 21, 23, 37, 41, 45, 53, 65, 71, 77
4.5   Questions: 1, 5, 11, 19, 27, 39, 45, 51, 63, 67, 75, 79, 83, 89, 91
4.6   Questions: 1, 5, 7, 9, 11, 13, 15, 19, 27, 33, 35, 45, 49, 51, 55
4.7   Questions: 1, 3, 7, 11, 19, 21, 27, 31, 37, 41, 45, 69, 75, 77, 85, 91
4.8   Questions: 1, 3, 5, 9, 13, 15, 19, 25, 27, 31, 33, 45, 49, 65, 69

5.1   Questions: 1, 3, 5, 7, 15, 21, 25, 27, 33, 37, 41, 43, 51, 61, 65, 69, 73, 77, 79, 83
5.2   Questions: 1, 3, 5, 9, 13, 15, 19, 21, 29, 33, 37, 57, 61, 67, 69, 71, 75, 79, 83, 87, 89
5.3   Questions: 1, 3, 7, 15, 17, 19, 21, 25, 27, 43, 55, 59, 63, 67, 75
5.4   Questions: 1, 3, 7, 13, 23, 33, 39, 43, 71, 73, 79, 81, 87, 89
5.5   Questions: 1, 3, 5, 9, 11, 17, 25, 27, 33, 37, 39, 47, 53, 57, 61, 63, 65, 69, 73, 77, 79
5.6   Questions: 1, 3, 7, 9, 13, 15, 19, 23, 27, 31, 37, 39, 43, 45, 47

6.1   Questions: 1, 5, 9, 15, 17, 23, 27, 31, 35, 41, 45, 55, 57, 63
6.2   Questions: 1, 3, 7, 9, 13, 17, 23, 37, 41, 47, 51, 55, 57, 63, 67
6.3   Questions: 1, 3, 7, 9, 11, 15, 19, 23, 25, 29, 33, 39, 43, 45, 47

7.1   Questions: 1, 3, 5, 7, 13, 19, 21, 23, 29, 33, 37, 39, 41, 49, 51, 55, 61, 69, 75, 83, 85
7.2   Questions: 1, 3, 5, 9, 11, 13, 15, 21, 25, 27, 29, 31, 35, 37, 43, 47
7.3   Questions: 1, 5, 9, 13, 17, 21, 23, 27, 31, 35, 37, 39, 43, 45, 47
7.4   Questions: 1, 3, 5, 11, 15, 17, 19, 23, 27, 29, 33, 39, 43, 47, 51, 57
7.5   Questions: 1, 5, 7, 9, 15, 19, 23, 27, 31, 33, 37, 41
7.6   Questions: 1, 5, 9, 11, 13, 15, 17, 19, 21, 27

9.2   Questions: 1, 3, 5, 7, 11, 13, 15, 17, 21, 27, 31, 33, 35, 37, 41
9.3   Questions: 1, 3, 7, 9, 17, 19, 25, 27, 31, 33, 35, 37, 45, 49, 53, 63