Math 191 is designed to prepare the student for the mathematical portion of the THEA test. Students will have a math THEA score between 220 and 229. This lecture is not designed to take the place of appropriate leveling courses or developmental courses. Computer assisted instruction, tutorial help, THEA lecturers, and math textbooks are available to support this class. A $29 fee was assessed at the time of registration for this course to only cover the cost of the THEA test given at the end of the semester. Students who decide to take the THEA prior to the end of the semester will have to pay for that test in addition to the amount already charged and may become ineligible to take the semester-end test for which they have already been charged.

The Official THEA Test Study Guide, developed by National Evaluation Systems, Inc. in cooperation with the Texas Higher Education Coordinating Board and the Texas Education Agency is required and can be used in this class. A 4 function calculator is allowed.

1. Reading: Understanding the material incorporated in the text used in this course will require the student to analyze and interpret various mathematical concepts.

2. Listening: The primary methods used in this course are discussion and lecture. Understanding the oral presentation of material will require the student to analyze and interpret various mathematical concepts.

3. Critical Thinking: Critical thinking, as exemplified by problem solving, is inherent in the study of any scientific discipline. Mathematical problems will be considered, discussed and analyzed in this course.

After successful completion of this course students will be able to pass the mathematical part of the THEA test.

Students are expected to attend class regularly. Students will be dropped if they have more than two weeks of total absences (4 hours) or one week of consecutive absences (2 hours). Failure to attend class will result in a complete withdrawal from Midland College.
Students registered for this class have paid a $29 fee to cover the cost of the THEA test. Students are required to take the exam at the end of the semester. Times will be scheduled by the testing center.

Midland College does not tolerate scholastic dishonesty or academic misconduct in any form. Please read the MC Student Handbook on this subject.

**Evaluation of Students:**

<table>
<thead>
<tr>
<th>Category</th>
<th>Points</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>Class Work</td>
<td>40</td>
<td>70+ points - ‘P’</td>
</tr>
<tr>
<td>Homework</td>
<td>40</td>
<td>less than 70 points - ‘F’</td>
</tr>
<tr>
<td>Practice THEA</td>
<td>20</td>
<td></td>
</tr>
</tbody>
</table>

Any student passing the THEA during the semester will receive a grade of ‘P’ and will not be required to attend subsequent classes.

**ADA Statement:**

Any student who, because of a disabling condition, may require some special arrangements in order to meet course requirements should contact the instructor as soon as possible. These conditions may include documented physical or educational disabilities. Please be aware that services or accommodations are not automatic. Each student must request them and secure the proper authorizations.

**Course Schedules:**

1. **Arithmetic**
   a. Integers and Real Numbers
   b. Fractions
   c. Exponents
   d. Order of Operations
   e. Decimals
   f. Radicals
   g. Percentages
   h. Averages

2. **Algebra**
   a. Operations with Polynomials
   b. Simplifying Algebraic Expressions
   c. Linear Equations
   d. System of Equations
   e. Quadratic Equations
   f. Absolute Value Equations
   g. Inequalities
   h. Ratios and Proportions

3. **Geometry**
   a. Points, Lines, Angles
   b. Regular Polygons
   c. Triangles
   d. Quadrilaterals
   e. Circles
   f. Solids
   g. Coordinate Geometry
4. Word Problems
   a. Algebraic
   b. Rate, Work
   c. Mixture
   d. Interest
   e. Data Interpretation
   f. Combination of Mathematical Skills

Instructor Information:

Name:
Office:
Phone:
E-mail:
Hours:

Division Chair: Dr. Margaret Wade, 125 SF, 685-4615
Division Secretary: Norma Duran, 124 SF, 685-4612
            Brenda Smith, 124 SF, 685-6413