Instructor: Susan Leland  
Office: Museum 106  
Office Hours: MWF 8:15 – 8:45 am and 11 – 11:50 pm  
Tuesday 1 – 1:50  
Thursday 8:15 – 8:45 am and 11 – 11:50 am  
LATER AFTERNOON HOURS AVAILABLE BY APPOINTMENT  

Text: Precalculus, a right triangle approach by Ratti & McWaters, custom book for Tech  

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### Course content

**TRIG**
- Angle measure, degrees and radians
- Right triangle trigonometry
- Trig functions, the unit circle
- Graphs of trig functions
- Inverse trig functions
- Identities
- Equations
- Law of Sines and Cosines

**ALGEBRA**
- Sets and interval notation
- Linear, absolute value, rational, and quadratic equations and inequalities
- Radicals and roots
- Polynomial and rational functions and their graphs
- Exponential and logarithmic functions
- Function notation and inverse functions

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Grades based on:

1) Quiz total..................................................................................100 points possible
   NO MAKE-UP QUIZZES GIVEN-three or more will be dropped. **You can take a quiz early, but not late.**
   Quiz every week (almost!) based on homework assigned since the last quiz.
   Each quiz worth 10 points - quiz grade will be sum of top 10 quizzes.

2) Four exams worth 100 points each ..................................400 points possible
   **MAKE-UP TESTS WILL BE GIVEN ONLY FOR VERY EXTRAORDINARY REASONS**
   and must be taken within one week of test date.

3) Final over chapters 1 – 5 only.........................................100 points possible

TOTAL POINTS POSSIBLE WITH FINAL.........................600

YOU WILL BE EXEMPT FROM THE FINAL IF YOU HAVE AT LEAST A 90 AVERAGE AFTER TEST 4
AND YOU MUST PASS TEST 4 WITH A 73% OR HIGHER.

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### Grading Scale

<table>
<thead>
<tr>
<th>Grade</th>
<th>Cutoff Average (%)</th>
<th>Cutoff Average (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>93</td>
<td>C</td>
</tr>
<tr>
<td>A-</td>
<td>90</td>
<td>C-</td>
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<tr>
<td>B+</td>
<td>87</td>
<td>D+</td>
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<tr>
<td>B-</td>
<td>80</td>
<td>D-</td>
</tr>
<tr>
<td>C+</td>
<td>77</td>
<td></td>
</tr>
</tbody>
</table>

**Grading Scale**

PRACTICE IS THE KEY TO LEARNING MATH.
DO ALL HOMEWORK ASSIGNED, even though it is not collected!!!!!

YOU WILL LEARN BEST IF YOU READ OVER THE MATERIAL TO BE PRESENTED IN THE NEXT CLASS PERIOD BEFORE CLASS.

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TENTATIVE SCHEDULE ON BACK
<table>
<thead>
<tr>
<th>Monday</th>
<th>Wednesday</th>
<th>Thursday</th>
<th>Friday</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aug. 26 INTRO and interval notation</td>
<td>28 Quiz 1 1.1</td>
<td>29 1.2</td>
<td>30 1.2</td>
</tr>
<tr>
<td>Sept. 2 HOLIDAY</td>
<td>4 Quiz 2 and 1.3</td>
<td>5 1.3</td>
<td>6 Standard angles</td>
</tr>
<tr>
<td>9 Quiz 3 and 1.4 and last day to add a class</td>
<td>11 1.4 and 1.5</td>
<td>12 1.5 and 1.6</td>
<td>13 1.6</td>
</tr>
<tr>
<td>16 NO CLASS Last day to drop without a W on your transcript</td>
<td>18 Review</td>
<td>19 Test 1 (Chapter 1)</td>
<td>20 2.1</td>
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<tr>
<td>23 “20th” day grades due 2.1</td>
<td>25 Quiz 4 and 2.2</td>
<td>26 2.3 and 2.5</td>
<td>27 2.5 and 2.6</td>
</tr>
<tr>
<td>30 Quiz 5 and 3.1</td>
<td>Oct. 2 3.2 and 3.3</td>
<td>3 3.7</td>
<td>4 Review</td>
</tr>
<tr>
<td>7 Test 2 (Chapters 2 and 3)</td>
<td>9 4.2</td>
<td>10 4.3 and 4.4</td>
<td>11 4.4</td>
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<tr>
<td>14 Quiz 6 4.5</td>
<td>16 4.5</td>
<td>17 4.6</td>
<td>18 4.7</td>
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<tr>
<td>21 Midterm grades due Quiz 7 and 5.1</td>
<td>23 5.2</td>
<td>24 5.3</td>
<td>25 5.3 and 5.4</td>
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<tr>
<td>28 Quiz 8 5.4</td>
<td>30 5.5</td>
<td>31 5.5</td>
<td>Nov. 1 Quiz 9 5.6</td>
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<td>4 Last day to drop a class 5.8</td>
<td>6 Quiz 10 5.9</td>
<td>7 Review</td>
<td>8 Test 3 (Chapters 4 and 5)</td>
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<td>11 HOLIDAY</td>
<td>13 6.1 and 6.2</td>
<td>14 6.2</td>
<td>15 Quiz 11 6.3</td>
</tr>
<tr>
<td>18 6.6</td>
<td>20 6.7</td>
<td>21 7.1 and 7.2</td>
<td>22 7.3</td>
</tr>
<tr>
<td>25 7.3</td>
<td>27 NO CLASS</td>
<td>28 HOLIDAY</td>
<td>29 HOLIDAY</td>
</tr>
<tr>
<td>Dec. 2 Quiz 12 7.4</td>
<td>4 7.5</td>
<td>5 7.5</td>
<td>6 Quiz 13 Review</td>
</tr>
<tr>
<td>9 Test 4 (Chapters 6 and 7)</td>
<td>11 Review for final</td>
<td>12 FINALS BEGIN DEC.</td>
<td>12</td>
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</table>

**YOUR FINAL IS ON TUESDAY, DECEMBER 17, AT 8 A.M.**
**THIS CANNOT BE CHANGED. DON’T EVEN ASK.**
USE OF ANY ELECTRONIC DEVICE IS NOT PERMITTED. If this becomes a problem, sanctions will be imposed. Use of laptops to take notes is allowed. Calculators will be used for some of the trig, but that use will be very limited.

RESPECTFUL BEHAVIOR IS EXPECTED OF ALL. Please realize that some of your fellow students are not at the same level of understanding as you are. Everyone is here to learn. Please do not make anyone uncomfortable asking questions in class.

ATTENDANCE IS ESSENTIAL TO PASSING THIS CLASS. Although attendance as such is not part of your grade, your blue slip grade and your understanding of course content will reflect poor attendance.

ALL STUDENTS MUST BE ABLE TO ACCESS THE COURSE SITE ON MYMTECH. If you do not know how to do this, contact the instructor or ask in the Learning Center.

ACADEMIC DISHONESTY (See Montana Tech catalog online at mtech.edu for details) The following will be considered acts of academic dishonesty or cheating:
1. Aiding another student.
2. Copying from the paper of another student while taking an examination.
3. Plagiarism.
4. Unauthorized signatures.
5. Using unlawful aids to pass an examination.  

Actions to be taken when cheating is discovered are as follows:
1. Instructors are responsible for taking reasonable precautions to prevent and discourage cheating in their classes and must report all cases to the Vice Chancellor for Academic Affairs Office.
2. If it is determined that a student is deliberately cheating on an examination or a written or oral assignment, he or she should receive a grade of “F” on that examination or assignment as a minimum penalty. The instructor may drop the student from the course with an “F” grade.
3. In reported cases of repeated cheating, the Academic Standards Committee may consider applying additional penalties beyond those imposed by the individual instructors, including expulsion.

Any student who thinks that he or she has received unfair treatment in regards to cheating should request a hearing with the Disciplinary Appeals Committee not later than one school week after notification of the action taken by the instructor or by the Academic Standards Committee.