Text: Absolute Value Math 10C Workbook

Instructor: Mr. T. Jesse (Semester 1 2013-2014)

Prerequisite Course: A grade of 50% or higher in Math 9

Calculator: Students are required to have a Ti-84, Ti-84 Plus or Ti-Nspire calculator for this course. Alberta Education Approved Calculators: TI-83+, TI-84+, TI-Nspire, TI-Nspire CX, Casio fx-9750G Plus, Casio fx-9750GII, Sharp EL-9900C, Sharp EL-9900

Objectives

Welcome to Math 10C! Mathematics is a common human activity, which is done throughout life. Everyday, we can see how important math is in a rapidly advancing society in areas such as technology and science. This course is designed to give you greater proficiency in mathematics will increase the opportunities that are available to you, as an individual. As a student, you will explore problem-solving techniques, accommodate changing conditions, and actively create new knowledge in striving for self-fulfillment by becoming mathematically literate.

Course Outline

The grade 10 mathematics program will follow the strands set out in the Mathematics 10-12 Common Curriculum Framework, Alberta Education 2010.

Math 10C will consist of the following 4 major strands:

<table>
<thead>
<tr>
<th>Strand</th>
<th>Unit</th>
<th>Time*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Measurement</td>
<td>• Trigonometry</td>
<td>22 classes</td>
</tr>
<tr>
<td></td>
<td>• Measurement Systems</td>
<td></td>
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<tr>
<td></td>
<td>• Surface Area and Volume</td>
<td></td>
</tr>
<tr>
<td>Algebra and Number</td>
<td>• Exponents and Radicals</td>
<td>22 classes</td>
</tr>
<tr>
<td></td>
<td>• Polynomials</td>
<td></td>
</tr>
<tr>
<td>Relations and Functions</td>
<td>• Linear Relations and Functions</td>
<td>16 classes</td>
</tr>
<tr>
<td></td>
<td>• Linear Equations and Graphs</td>
<td></td>
</tr>
<tr>
<td>Systems of Equations</td>
<td>• Solving Systems of Linear Equations Graphically</td>
<td>23 classes</td>
</tr>
<tr>
<td></td>
<td>• Solving Systems of Linear Equations Algebraically</td>
<td></td>
</tr>
</tbody>
</table>

*times are approximate
Homework & Assignments

You can expect homework on most nights unless you work very efficiently in class. Homework assignments are the most effective way to study for quizzes and exams. Homework should be taken seriously. If you miss class, it is YOUR responsibility to find out what you missed. Homework will increase your chances of doing well in this course. To re-emphasize, if you missed a class, you are REQUIRED to complete the assignment that you have missed or a mark of zero will be recorded for that assignment missed.

All assignments will be posted at http://www.sundrehigh.ca/Jesse.php

Expectations

* Students are expected to attend all classes and repeated absences will not be tolerated.
* Students are expected to show respectable manner towards fellow students and teachers.
* Students are not permitted to be disruptive or infringe on the learning of another student.
* Teacher’s desk is off limits to all students unless special permission is granted.
* Please ask for permission to leave the classroom.

Evaluation

Each unit will consist of notes, homework, assignments, quizzes, and a unit exam.

The following will break down the marks for the year:

<table>
<thead>
<tr>
<th>Assignment Type</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Assignments</td>
<td>10%</td>
</tr>
<tr>
<td>Quizzes</td>
<td>20%</td>
</tr>
<tr>
<td>Summative Unit Exams</td>
<td>40%</td>
</tr>
<tr>
<td>Final Exam</td>
<td>30%</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>100%</strong></td>
</tr>
</tbody>
</table>

There will be frequent formative assessments. These formative assessments will often consist of a one question quiz at the beginning of class. These quizzes are often unannounced.

Mark in Math 10C:

- **Math 20-1** – Students grade is greater than 65%
- **Math 20-2** – Students grade is between 50% and 64%
- **Math 20-3** – Students grade is less than 50%
How to Complete Your Homework

The best method of learning math is practice, practice, and practice. This takes time and work! Daily homework and study are the best methods of learning the math concepts covered in class. You will be evaluated on how well you do your math homework.

In doing your homework:

1. ALL questions assigned must be neatly completed, showing work, and correct answer.
2. If you did NOT get the correct answer, go back and attempt the question again. If you still do not get the correct answer, time will be given in class to answer questions.
3. All math work is to be done in pencil NOT pen!
Classroom Policy Math 10C – Mr. T. Jesse

Classroom Rules:
1. Work hard
2. Show respect towards other students and their right to learn.

Classroom Materials:
Students are expected to have all the following classroom materials ready at the beginning of each class:
1. A binder with loose-leaf
2. A graphing calculator and a ruler
3. A sharp pencil and good eraser
4. Your workbook.

Late Policy:
A student is considered late if he/she comes to class after the bell, without a note from a parent or staff member. Students who are late will:
1. Knock on the door
2. Wait outside the classroom until Mr. Jesse has time to come speak to them
3. Serve 10 minutes of detention time with Mr. Jesse for each late arrival

As the occasional lateness may be inevitable, and most students are hardworking and prepared to come to class on time, students will receive a verbal warning for the first two lates of the semester.

Detention Policy:
Detentions may be given after a warning has been given for minor misbehavior in the classroom, or anywhere else on school property. Major offenses will be directed to administration. Mr. Jesse will assign detentions of 10, 30 or 60 minutes depending on the severity or number of times an infraction occurs. Any skipped detentions will automatically double in length. If a student skips detention a second time they will be referred to school administration for further consequences.

Leaving the classroom:
Students may leave the classroom for a reasonable duration during class if it is deemed necessary. Students may also leave for unusual and serious circumstances like emergencies or illness. Student’s must ask permission to leave the classroom at any time.

Achieving Zero:
Sundre High has a Zero’s-are-not-acceptable policy, however a student may achieve a zero under the following circumstances: (A Parent/Guardian will be contacted if any of these occur)
1. Any tests, quizzes or assignments missed due to an unexcused absence.
2. Cheating
3. The student does not hand in an assignment, or hands in a blank test.

Late Assignments:
Any assignment that has been handed in after the assigned due date will receive a penalty of 10% for every school day that it is late up to a maximum of 50% off. Assignments that have been missed due to an illness or parent excused absence are still expected to be completed within 2 days of arriving back at school. If a student hands in a past due assignment which has already been graded and returned to the class, he/she will receive a “credit” to replace the zero for the missing assignment. This will only occur if the assignment is fully completed (with all appropriate work) and neatly organized.
Extra Help:
High school math courses often require extra help beyond the classroom. Students can:
1. Make an appointment to see me outside of class time. These appointments can be before or after school.
2. Contact me via email at t Jesse@chinook sedge.ab.ca
3. Ask a friend in the class for help.