Grande Prairie Regional College
Academic Upgrading Department

SEP 05 2002

**INTRODUCTION TO MATH 0090**

Instructor's name: _____

Instructor's Office: _____ Phone number: _____

This course is divided into 10 separate units called modules. The instructions are given in the modules along with several examples and exercises. Study the instructions and work through the examples before starting the exercise. The answers for the exercises are given at the end of the module. Check your work **often.**

**The key to success** in working with modules **is to ask questions** whenever you have difficulty understanding the instructions, the examples or the exercises. **Do not hesitate to ask for help.**

After each module you must write a post-test. A passing mark of 60% is required on the post-test before continuing on to the next module. If you are unable to attain this mark you must review the material and rewrite the test. The first and second test mark will be averaged.

You will be required to write a 50-minute midterm, which will cover the first 5 modules. Upon completion of all modules you will write a three hour final exam.

The recommended test date for each module and the midterm is on the back. **Consult your instructor immediately if you find yourself falling behind schedule.** It may be necessary to reassess your math skills to ensure that you are placed in a course where you can be successful.

Your final mark is determined by:

| | |
|---|---|
| 10 module tests | 40% |
| Midterm | 20% |
| Final Exam | 40% |

You will find a calculator, with the following functions, helpful in this course:

EXP, $\sqrt{x}$, sin, cos, tan, %, $y^x$, $\pi$

| BONUS |
|---|
| When you write your midterm on or before the given date, you will be awarded an additional 5% on your score. |

**MATH 0090 - Fall 2002**

| Module | TOPIC/DESCRIPTION | Recommended Time & Test Date | Date you wrote | Your Mark |
|---|---|---|---|---|
| 1 | Basic Arithmetic<br>-four basic operations with whole numbers, decimals & fractions; place value<br>- complex fractions and applications | 8 days<br>Sept. 13 | | |
| 2 | Measurement | 5 days<br>Sept. 20 | | |
| 3 | Integers<br>-four basic operations exponents<br>-order of operations | 10 days<br>Oct. 4 | | |
| 4 | Introduction to Algebra<br>-basic algebraic concepts<br>-evaluating expressions | 5 days<br>Oct. 11 | | |
| 5 | Equations<br>-solving simple linear equations | 6 days<br>Oct. 22 | | |
| | **MIDTERM EXAM – 50 minutes** | **Oct. 24** | | |
| 6 | Percent<br>-changing percent to decimals & fractions<br>-changing decimals and fractions to percent<br>-the percent proportion | 7 days<br>Nov. 4 | | |
| 7 | Geometry (red)<br>-plane geometry<br>-perimeter | 5 days<br>Nov. 12 | | |
| 8 | Area & Volume (red) | 5 days<br>Nov. 19 | | |
| 9 | Intro to Graphing | 4 days<br>Nov. 25 | | |
| 10 | Statistics<br>-organize data, graphs<br>-measures of central tendency | 9 days<br>Dec. 6 | | |
| | **FINAL EXAM - 3 HOURS** | TBA | | |

In Math 0090, a calculator WILL NOT BE USED until after the midterm