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SEP. 18 2001

Grande Prairie Regional College
Academic Upgrading Department

INTRODUCTION TO MA0105

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. Students unable to attain this mark must review the material and rewrite the test to continue. The first and second test mark will be averaged.

All students will be required to write a 50 minute midterm which will cover the first 5 modules. Upon completion of all modules the student 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, π, %

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

MATH 0105 -Fall 2001

Module	TOPIC/DESCRIPTION	Recommended Time & Test Date	Date you wrote	Your mark
1	Basic Arithmetic -four basic operations with whole numbers, decimals & fractions; place value - complex fractions and applications	1½ weeks Sept. 17		
2	Measurement - metric units of length, weight, volume, time and temperature	1 week Sept. 24		
3	Integers -four basic operations exponents -order of operations	1½ week Oct. 4		
4	Introduction to Algebra - basic algebraic concepts; order of operations; - evaluating expressions	1½ weeks Oct. 17		
5	Equations - solving simple linear equations	1½ weeks Oct. 25		
	MIDTERM EXAM	**Oct. 29**		
6	Ratio and Proportion - ratio, rate, proportion; applications	1½ weeks Nov. 7		
7	Percent - changing fractions and decimals to percent and vice versa; percent proportions; depreciation	1 week Nov. 14		
8	Interest - calculating simple interest, rate & time; - compound interest	1 week Nov. 21		
9	Payroll and Banking - paychecks, hourly wage; salary; commission; piecework; overtime, deductions; banking records	1 week Nov. 28		
10	Geometry - plane geometry	1½ weeks Dec. 10		
	FINAL EXAM - 3 HOURS	**TBA**		

★ In Math 0105, a calculator **WILL NOT BE USED** until after the midterm