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INTRODUCTION TO MATH 0120

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 exercises. 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 test. Students planning on proceeding to the next course should aim for a minimum of 70% on each test.

You will also be required to write a midterm on a prescribed date after the first five modules and a final exam at the end of the course.

You will be allowed to rewrite two tests: one before the midterm and one before the final if you have time. The second mark is the one that will count towards your average.

For this course you will need a compass, protractor and a calculator with the following functions:

$$EE(EXP), \sqrt{x}, \cos, \sin, \tan, y^x, \pi$$

The final grade will be determined as follows:

Module Tests	30%
Midterm	20%
Final Exam	50%

Attached is the recommended test dates for each module as well as the compulsory date for the midterm.

MATH 0120
FALL SEMESTER 1993

		Recommended Time/ Test Date
Module 1	Review - signed numbers; order of operation; fractions; operations on polynomials; equations and inequalities; number line graphs	1 Week Sept 13
Module 2	Rational Expressions - nonpermissible values; simplifying; four basic operations; equations	2 Weeks Sept 24
Module 3	Exponents and Radicals - rational exponents; four basic operations on exponents and radicals; solving radical equations	1.5 Weeks Oct 5
Module 4	Systems of Equations and Inequalities - solving systems of equations by graphing, substitution, and elimination; solving systems of inequalities	1.5 Weeks Oct 14
Module 5	Probability - theoretical probability; dependent and independent events; mutually exclusive events; multiplication and addition laws	1 Week Oct 21
	MIDTERM (1 HOUR)	**OCT 26**
Module 6	Relations and Functions - domain and range; functional notation; graphing; inverse functions	1.5 Weeks Nov 4
Module 7	Quadratic Functions - graphing; completing the square; characteristics; applications	1 Week Nov 12
Module 8	Quadratic Equations - solving by factoring and quadratic formula; nature of roots; applications	1 Week Nov 19
Module 9	Geometry - parallel lines; triangle and circle geometry	1 Week Nov 26
Module 10	Trigonometry - trigonometric ratios; solving right triangles; special triangles; angles on a coordinate system; Sin and Cosine Laws	1.5 Weeks Dec 8
	FINAL EXAM (3 HOURS)	**T.B.A.**