



ModuMath

Basic Math and Algebra

Math 98 – Intermediate Algebra

ModuMath lessons are intended to assist students in preparing for and succeeding in math classes at Grays Harbor College. They are a *supplement* to assigned reading, problems, and classroom instruction, not a *replacement* for them. Not all content taught in classes is available on ModuMath.

Prerequisite Skills

Algebra

1	Getting Acquainted with Algebra	13	Linear Equations and Graphs – Slope-intercept
2	Order of Operations		
3	Adding and Subtracting Algebraic Expressions	14	Linear Equations – Find equation of a line
4	Multiplying Polynomials/FOIL	15	Systems of Equations – Graphing & substitution
5	The Laws of Algebra		
6	Solving 1-Step Equations	16	Systems of Equations – Elimination, basic
7	Solving 2-Step Equations		
8	Using Equations to Solve Problems	17	Systems of Equations – Elimination, complex
9	Solving Practical Problems		
10	Inequalities ($<$, $>$, \leq , \geq)	18	Systems of Equations – Story problems
11	Linear Equations and Graphs - Introduction	19	Exponents
		32	Proportion
12	Linear Equations and Graphs - Slope		

Skills Learned in This Course

Algebra

20	Factoring – Greatest Common Factor
21	Factoring – Perfect square & difference of 2 squares
22	Factoring - Trinomials
23	Roots and Radicals
24	Roots and Radicals – Add, subtract, multiply, divide
25	Quadratic Equations Intro
26	Quadratic Equations – Quadratic formula
27	Rational Expressions – Multiply & divide
28	Rational Expressions – Add, subtract, & complex fractions
29	Rational Expressions - Equations
30	Rational Expressions – Work, time/distance problems
31	The Pythagorean Theorem

Please note: Additional topics covered in Math 98 include: Rational Exponents, Solving Radical Equations, Complex Numbers, Functions, and Graphing Quadratic Functions. ModuMath lessons are not available for these topics. The following websites have lessons available:

<http://www.purplemath.com/>

<http://tutorial.math.lamar.edu/Classes/Alg/Alg.aspx>

<http://www.themathpage.com/>