

Planned Course: Honors Algebra II	Course Number: M305H	Department: Mathematics	
Unit: Review of Basic Algebra	Grade Level: 8-12		
Estimated Time: 15 days	Level/Track: Honors	Date Approved: 08/21/01	
Academic Standards	Skills/Knowledge	Activities	Assessment

<p>2.1.8 Numbers, Number Systems and Number Relationships</p> <p>C. Distinguish between and order rational and irrational numbers.</p> <p>2.2.11 Computation and Estimation</p> <p>A. Develop and use computation concepts, operations and procedures on real numbers in problem solving situations.</p> <p>B. Use estimation to solve problems for which exact answer is not needed.</p>	<p>The student will be able to graph and order real numbers on the real number line.</p>	<ul style="list-style-type: none"> • Overhead transparencies • Chalkboard examples • Exercises in book • Worksheets 	<ul style="list-style-type: none"> • Classroom observation • Graded homework • Graded class work • Quizzes • Test
<p>2.1.8 Number, Number Systems and Number Relationships</p> <p>B. Simplify numerical expressions involving exponents, scientific notation and using order of operations.</p>	<p>The student will be able evaluate algebraic expressions.</p>	<ul style="list-style-type: none"> • Overhead transparencies • Chalkboard examples • Exercises in book • Worksheets 	<ul style="list-style-type: none"> • Classroom observation • Graded homework • Graded class work • Quizzes • Test

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E. Simplify and expand algebraic expressions using exponential forms.			
2.8.8 Algebra and Functions C. Create and interpret expressions, equations or inequalities that model problem situations. E. Select and use a strategy to solve an equation or inequality, explain the solution and check the solution for accuracy. 2.8.11 Algebra and Functions N. Solve linear, quadratic and exponential equations both symbolically and graphically.	The student will be able to solve a linear equation. The student will be able to use problem solving strategies to solve real-life problems.	<ul style="list-style-type: none"> • Overhead transparencies • Chalkboard examples • Exercises in book • Worksheets 	<ul style="list-style-type: none"> • Classroom observation • Graded homework • Graded class work • Quizzes • Test
2.8.8 Algebra and Functions C. Create and interpret expressions, equations or inequalities that model problem situations.	The student will be able to solve a literal equation for a specific variable.	<ul style="list-style-type: none"> • Overhead transparencies • Chalkboard examples • Exercises in book • Worksheets 	<ul style="list-style-type: none"> • Classroom observation • Graded homework • Graded class work • Quizzes

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<p>J. Show that an equality relationship between two quantities remains the same as long as the same change is made to both quantities; and explain how a change in one quantity determines another quantity in a functional relationship.</p> <p>2.8.11 Algebra and Function</p> <p>N. Solve linear, quadratic and exponential equations both symbolically and graphically.</p>			<ul style="list-style-type: none"> • Test
<p>2.8.8 Algebra and Functions</p> <p>E. Select and use a strategy to solve an equation or inequality, explain the solution and check the solution for accuracy.</p>	<p>The student will be able to solve simple and compound inequalities.</p>	<ul style="list-style-type: none"> • Overhead transparencies • Chalkboard examples • Exercises in book • Worksheets 	<ul style="list-style-type: none"> • Classroom observation • Graded homework • Graded class work • Quizzes • Test