

Algebra II Table of Contents

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Lesson 1: Class Worksheet #1 (For worksheets #1 and #2)

Simplifying Expressions

Solving Linear Equations with One Variable

Solving Literal Equations and Formulas for a Specified Variable

Solving Problems Using Linear Equations with One Variable

Quiz #1

Lesson 2: Class Worksheet #2 (For worksheets #3 and #5)

Intervals and Interval Notation

Bounded and Unbounded Intervals

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The Union and Intersection of Intervals

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Unit 1 Test

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Unit 2 :

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Horizontal, Vertical, and Oblique Lines

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Systems of Two Linear Equations with Two Variables

**Solving Using the Graphing, Substitution, and Multiplication-
Addition (Also Called Linear Combination) Methods**

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Introduce Objective Functions – Finding Maximum and Minimum Values

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Cube Root of Integers – Standard Radical Form

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Square Root of Non-Negative Rational Numbers – Standard Radical Form

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Quiz #1

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The Factoring Method

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Solving Second Degree Equations with One Variable

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Introduce Sequences

Special Notation

Explicit and Recursive Formulas of a sequence

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Standard Radical Form

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Applying Exponential Functions
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Evaluating Logarithmic Expressions

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Evaluating Logarithmic Expressions

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Introduce Common Logarithm

Introduce Natural Logarithm

Evaluating Logarithmic Expressions

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Lesson 3: (For worksheets #4 - #6)

Solving Exponential Equations: The Common Base Method

Solving Exponential Equations: Using Logarithms

Lesson 4: (For worksheets #5 and #6)

Solving Logarithmic Equations

Applications Involving Exponential Functions

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