

Curriculum Plan

Printed By: James Dressler

111, Technical Math
Section: 9926

BASED ON: 1. Elementary Algebra: Standard Topics

Getting Started

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1. Real Numbers

1.0 The School of Pythagoras

1.1 The Real Numbers

Number Line and Notation

1.2 Factoring and Fractions

The GCF and LCM

Fractions

1.3 Arithmetic of Numbers

Operations on Numbers

2. Solving Linear Equations

2.0 Old Number Trick

2.1 Algebraic Expressions

Simplifying Expressions

2.2 Solving Linear Equations

Solving Equations I

Solving Equations II

2.3 Problem Solving

Number and Age

Geometry

2.4 Linear Inequalities

Solving Inequalities

3. Introduction to Graphing

3.0 Story of Descartes

3.1 Introduction to Graphing

Plotting Points

Rise and Run

The Distance Formula

4. Graphing Linear Equations

4.0 The Classroom

4.1 Graphing Equations

Graphing Lines I

Graphing Lines II

Slope of a Line

4.2 The Equation of a Line

Finding the Equation I

Finding the Equation II

4.3 Graphing Inequalities

Linear Inequalities

5. Solving Linear Systems

5.0 The Great Train Rescue

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- 5.1 Solving Linear Systems
 - Solution by Graphing
 - Solution by Algebra
- 5.2 Problem Solving
 - Using Linear Systems
- 5.3 Systems of Inequalities
 - Solving Linear Systems

6. Exponents and Polynomials

- 6.0 King of Persia
- 6.1 Exponents
 - Properties of Exponents
- 6.2 Polynomial Operations I
 - Adding and Subtracting
 - Multiplying and Dividing
- 6.3 Polynomial Operations II
 - Multiplying Binomials
 - Multiplying and Dividing