



Introductory Algebra: Rio Salado College

(For a list of materials used in the course, please see http://www.theNCAT.org/R2R/AcadPrac/CM/Rio_IntroAlg_Mat.pdf.)

Introductory Algebra is a one-semester, three-credit course that covers the following topics:

Essentials-Preparing for Algebra

Fractions

- Multiplying and Dividing

- Adding and Subtracting

Signed Numbers

- Adding and Subtracting

- Multiplying and Dividing

Real Numbers

The Real Numbers

- Number Line and Notation

Solving Linear Equations

Algebraic Expressions

- Simplifying Expressions

Solving Linear Equations

- Solving Equations I

- Solving Equations II

Problem Solving

- Number and Age

- Geometry

Linear Inequalities

- Solving Inequalities

Introduction to Graphing

- Plotting Points

- Rise and Run

- The Distance Formula

Graphing Linear Equations

Graphing Equations

- Graphing Lines I

- Graphing Lines II

- Slope of a Line

The Equation of a Line

- Finding the Equation I

- Finding the Equation II

Solving Linear Systems

Solving Linear Systems

- Solution by Graphing

- Solution by Algebra

Problem Solving

- Using Linear Systems

Exponents and Polynomials