Pre Algebra

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Course Overview

The Pre-Algebra course is an introduction to basic algebra concepts and a review of arithmetic algorithms. The course is designed to help students overcome weakness in preparation in mathematics, emphasizing the concepts necessary to be successful in Algebra I and II. The course helps student to develop good mathematical study skills and learning strategies as an integral part of this course. The course begins with a brief review of the number system and operations with whole numbers, fractions, decimal, positive and negative numbers. Eventually covering rational and linear exponents, ratios, proportions and percentage; solving simple and complex equations with one variable.

Course Planner

Fall Semester   Chapter 1: The Tools of Algebra
                        Chapter 2: Operations with Integers
                        Chapter 3: Operations with Rational Numbers
                        Chapter 4: Expressions and Equations
                        Chapter 5: Multi-Step Equations and Inequalities
                        Chapter 6: Ratio, Proportion and Similar Figures
Spring Semester   Chapter 7: Percent
                        Chapter 8: Linear Functions and Graphing
                        Chapter 9: Powers and Non-Linear Functions
                        Chapter 10: Real Numbers and Right Triangles
                        Chapter 11: Distance and Angles

Student Evaluation

Quarter grades are determined using the following categories:

- Homework (15 percent)
- Quizzes (25 percent)
- Test (60 percent)

Homework will be checked for completion and accuracy. Homework is to be taken seriously. Each quiz score is determined based on the number of problems and evaluates student's homework habits. Test will mostly be response based questions with a few multiple choice questions.

Classroom Materials:

Students will need the following items for this class:

- 3 Ring Binder
- Pencils & Red Pens
- Loose Leaf Paper & Graphing Paper

Calculator

Graphing Calculators are not allowed in this class. Standard calculators may be used but only with teacher permission. The teacher holds the right to determine if a calculator will be allowed on any quiz/test. TI-30

Resources

Primary Textbook
Pre Algebra, Glencoe Mathematics: The McGraw-Hill Companies, 2010

Credit

One-half credit will be awarded for each successfully completed semester.

Tuition and Fees

Tuition is $450 per year for the course, payable in cash only. Payments may be made annually, semi-annually, or monthly. See contract for details.