

Pre-Algebra B Course Description

Course Description

This course covers basic pre-algebraic concepts that include variables, one and two-step equations, integers, ratios and proportions. Knowledge will be demonstrated through quizzes, exams, review worksheets, a midterm exam, and a final exam.

Course Outline

Unit 1 - Number Sense and Operations:

- Numbers
- Operations
- Solutions
- Problem Solving Strategies

Unit 2 - Standard and Metric Measurement:

- Standard Measurement
- Metric Measurement
- Comparing Standard and Metric Systems
- Introduction to Perimeter Area and Volume

Unit 3 - Data and Graphs:

- Mean, Median, and Mode
- Data and Graphs - Part I
- Data and Graphs - Part II
- Circles and Graphs

Unit 4 - Functions and Graphs:

- Functions
- The Coordinate System
- Graphing Equations
- Graphing Inequalities

Unit 5 - Angles, Triangles, and the Pythagorean Theorem:

- Lines and Angles
- Triangles
- The Pythagorean Theorem
- Quadrilaterals

Unit 6 - Polygons:

- Other Polygons
- Symmetry
- Similarity
- The Scale Factor

Unit 7 - Transformations and Probability:

- Transformations
- Three Dimensional Figures
- Probability - Part I
- Probability - Part II

Course Prerequisite

Before beginning this course, you should have taken the orientation course. This course contains information that will help you be successful in your regular courses.

Course Requirements

- Quizzes
- Reviews
- Exams
- Midterm Exam
- Final Exam