

REQUIRED TEXT: Prealgebra - Third Edition by Martin-Gay, © 2001 by Prentice-Hall, Inc.

REQUIRED TOPIC LIST

Ch 1: Whole Numbers and Introduction to Algebra

Integrated Review-Operations on Whole Numbers (all)

1.7 Exponents and Order of Operations

1.8 Introduction to Variables and Algebraic Expressions

Ch 2: Integers

2.1 Introduction to Integers

2.2 Adding Integers

2.3 Subtracting Integers

Integrated Review-Integers

2.4 Multiplying and Dividing Integers

2.5 Order of Operations

Ch 3: Solving Equations and Problem Solving

3.1 Simplifying Algebraic Expressions

3.2 Solving Equations: The Addition Property

3.3 Solving Equations: The Multiplication Property

Integrated Review-Expressions and Equations

3.4 Solving Linear Equations in One Variable

3.5 Linear Equations in One Variable and Problem Solving

Ch 4: Fractions

4.1 Introduction to Fractions and Equivalent Fractions

4.2 Factors and Simplest Form

4.3 Multiplying and Dividing Fractions

4.4 Adding and Subtracting Like Fractions and Least Common Denominator

4.5 Adding and Subtracting Unlike Fractions

Integrated Review-Summary on Fraction and Factors

4.8 Operations on Mixed Numbers

Ch 5: Decimals

5.1 Introduction to Decimals

5.2 Adding and Subtracting Decimals

5.3 Multiplying Decimals and Circumference of a Circle

5.4 Dividing Decimals

Ch 5 Decimals cont'd.

Integrated Review-Operations on Decimals

5.5 Estimating and Order of Operations

5.6 Fractions and Decimals

5.8 Square Roots and the Pythagorean Theorem

Ch 6: Ratio and Proportion

6.1 Ratios

6.2 Rates

6.3 Proportions

Integrated Review-Ratio, Rate, and Proportion

6.4 Proportions and Problem Solving

6.5 Similar Triangles and Problem Solving

Ch 7: Percent

7.1 Percents, Decimals, and Fractions

7.2 Solving Percent Problems with Equations

7.3 Solving Percent Problems with Proportions

Integrated Review-Percent and Percent Problems

7.4 Applications of Percent

Ch 8: Graphing and Introduction to Statistics

8.1 Reading Circle Graphs-emphasize part B (Construction)

8.2 Reading Pictographs, Bar Graphs, and Line Graphs-emphasize C (Construction)

8.3 The Rectangular Coordinate System, emphasize A (plotting points)

Integrated Review-reading Graphs and the Rectangular Coordinate System

Ch 9: Geometry and Measurement

9.2 Linear Measurement

9.3 Perimeter

9.4 Area and Volume

Integrated Review-Geometry Concepts

STUDENT RESOURCES for ACSK 0013 Prealgebra:

What.....	Why.....	Where.....	Product info
Student Solutions Manual Student Study Guide	Step by step solutions to odd exercises. Practice tests, study skills.	NWACC Bookstore	Prentice-Hall, Inc.
Video tapes How To Study Mathematics	Coverage by text sections	NWACC Library BH	Free check-out Printed reference.
More publisher supports Listed in Preface, p. xvii	Computer tutorials- web site	NWACC Learning Lab- 1109 BH, Math Café-MAT 10	Prentice-hall
Peer and Faculty tutors	Discuss specific homework questions, help prepare for exams.	NWACC Learning Lab- 1109 BH, Math Café-MAT 10.	See Learning Lab Web Site for Schedule Details