SPOKANE FALLS COMMUNITY COLLEGE

Course Learning Objectives
Student Learning Outcomes

Course Title: Pre-Algebra
Prefix and Course Number: MATH 90

Last Modified: W18

Course Learning Objectives

I.   Mathematical Operations of Addition, Subtraction, Multiplication & Division
   - A. Whole numbers
   - B. Fractions
   - C. Decimals
   - D. Integers

II.   Equations and Problem Solving
   - A. Solving Linear Equations
   - B. Applications involving Linear Equations

III.   Ratio, Proportion, and Triangle Applications
   - A. Ratios and Proportions
   - B. Problem Solving with Proportions

IV.   Percent and Proportions
   - A. Percent, Decimals, and Fractions
   - B. Problem Solving with Percent and Proportions

V.   Graphs
   - A. Pictographs, Bar Graphs, and Histograms
   - B. Line Graphs and Circle Graphs

Student Learning Outcomes

By the end of this course, a student should be able to:

1. Apply the concepts regarding mathematical operations involving whole numbers, fractions, decimals, percentages, and integers
2. Apply concepts involving ratios, proportions, and basic geometric shapes
3. Represent mathematical situations symbolically
4. Interpret simple graphical representations of relationships
5. Solve linear equations involving integers, fractions, mixed numbers, and decimals
6. Solve applications using linear equations