ACMAT100 Fall 2023
Professor Manguba-Glover
Classwork 4   Name: _____

Complete as many of the following problems as you can with your table. If your entire table finishes early, you may leave early or work on homework.

(1) Solve the following word problems:

   (a) When twice a number is decreased by seven, the result is 33. What is the number?

   (b) One number exceeds another number by 1. The sum of the numbers is 57. What are the numbers?

(2) The length of a new rectangular playing field is 9 yards longer than double the width. If the perimeter of the rectangular playing field is 360 yards, what are its dimensions?

(3) City Cabs charges a $2.75 pickup fee and $1.50 per mile traveled. Diego's fare is $17.75. How far did he travel in the cab?

(4) The price of a cordless telephone has been reduced by 20%. If the sale price is $28.80, determine the original price.

(5) Fifteen of the 100 iPhones in an Apple warehouse are found to be defective. If you picked one up at random, what is the probability that the one you selected is defective? What is the probability that it is not defective?