NAME _____

Measurement
Quiz 3
"Basic Measurement"

The following questions reference items found at Southwest Tech in the ASC. If you are doing this course off-campus you will need to measure the Length, Mass or Weight, and Volume in both the English and Metric systems. You probably have the tools you need at home to make the measurements: a ruler or tape measure for length, a kitchen or bathroom scale for weight, and kitchen measuring cups for volume. Find some items and make your measurements. If you can't locate some of these measuring tools, the next best thing is to look at various products that are labeled in both English and Metric Measures.

1.) Use one of the available clear plastic rulers to measure the length of **Line X** in inches. This line is drawn on a card found at the lab table. Ask for help if you cannot locate this card. Your answer should be in *fractional form*. (Such as 2 1/4, 5 3/8, 10 1/16, etc. instead of decimal form.)

Answer: _____ inches

2.) Use a clear plastic ruler to measure the length of **Line Y** in millimeters. This line is found on the same card as Line X.

Answer: _____ millimeters *(whole number answer)*

3.) Use the 3.5 meter/12 ft Stanley tape measure to determine the **depth** (*front to back*)of the black file cabinet in feet and inches. (Write your answer in the style of the following examples: 4 ft 2 1/2 inches, 5 ft 7 inches, 7 ft 5 3/16 inches.)

Answer: _____ ft _____inches

4.) Use the Stanley tape measure to determine the **width** of the black file cabinet in millimeters.

Answer: _____ millimeters

5.) Use the pan balance located on the lab table to determine the **mass** of the clear plastic Allen Communications Mug in grams.

Answer: _____ grams

6.) Determine the **capacity** in milliliters of the clear plastic square-based pyramid located on the lab table. Ask your instructor if you are not sure which plastic shape this is.

Answer: _____ milliliters