

# Applied Math 30S

Name: \_\_\_\_\_

## Measurement Hand-In Assignment 1

### Linear Measurements (Lesson One)

Complete the following questions and hand in this assignment when you are finished. Round all answers to **2 decimal places**, unless instructed otherwise.

Some questions will require the conversion factors from page 4 of your booklet

1. Perform the following conversions.
  - a) Convert 237 cm to mm.
  - b) Convert 12 129 feet to yards.
  - c) Convert 270 ounces to pounds.
  - d) Convert 2.73 hours to minutes.
  - e) Convert 48.5 yards to inches.
  - f) Convert 23 950 000 seconds to days.

2. Your friend Rory was out enjoying a nice round of golf. He hit the ball and it travelled 290 yards. How many feet did the ball travel?
  
3. Cynthia had a baby a while back, and she cannot break the habit of giving the baby's age measured in months. She tells you that her baby is 183 months old. Calculate the age of the baby in years.
  
4. Premium Scented Jasmine Rice costs \$33.88 for 18.1 kg from a bulk rice distributor. You run a catering business, and you require 90 kg of Premium Scented Jasmine Rice for an upcoming event. What will be the cost of the rice, before taxes?
  
5. A restaurant in Winnipeg charges for their food by weight. They charge \$0.75 for each ounce of food (to the nearest ounce). You have 1.2 pounds of food on your plate. What will you be charged for your food (before taxes)?
  
6. Mabini has been hired to find people to appear in the background of a movie (they call these people "extras"). She will be paid \$51 for every 3 people she finds that are hired. She got paid \$1037. How many extras did she successfully find?