1. Answer each of the following questions. ALL answers should contain the proper number of Significant Figures and the proper Units. Show work to receive full credit.

   (a) Sarah drives 75 miles/hour. How long will it take her in minutes to travel 800 miles? 1(a) 

   (b) Joe can walk 3.0 feet/sec, how far (in feet) can he walk in 2.0 hours? 1(b) 

   (c) Lee drinks 2.0 Liters of water every day. How many gallons of water does he drink in a week? 1(c) 

   (d) Bob drives 65 miles/hour. How long will it take her in minutes to travel 250 km? 1(d) 

   (e) A horse can carry 250 lbs of equipment. If you need to move 3.5 tons of equipment, how many horses will you need? 1(e)
2. Answer each of the following questions. ALL answers should contain the proper number of Significant Figures and the proper Units. Show work to receive full credit.

(a) Lead has a density of 11.34 g/mL, what is the mass (in lbs) of 250 mL of lead? 2(a) ____________

(b) The nearest star is $3.99 \times 10^{13}$ kilometers away, how long in days will it take a space probe traveling 60 miles/hour to reach the nearest star? 2(b) ____________

(c) A hose delivers 250 gallons of water a hour, how many mL are delivered in 1 day? 2(c) ____________

(d) A bag of pretzels has a mass of 283.5 g and costs $1.49.
   If a bag contains 18 pretzels, what is the cost of a pound of pretzels? 2(d) ____________

(e) A regular aspirin tablet contains 5.0 grains of aspirin.
   How many grams of aspirin are in one tablet? (1 grain = 1/7000. lb) 2(e) ____________