**The Honors Sig Fig Quiz that, as advertised, involves only numbers of sig figs and calculations**

How many significant figures are in each of the following measurements: (1 pt each)

1. 450 grams \_\_\_\_\_\_\_\_
2. 2.02 x103 grams \_\_\_\_\_\_\_
3. 0.03040 cm \_\_\_\_\_\_\_
4. 3030 cm \_\_\_\_\_\_\_
5. 0.043 cm \_\_\_\_\_\_

Do each of the following calculations to the proper number of significant figures:

1. If my hip bone is 120 cm long and my [whatever bone is in my knee] is 40 cm, and my little red bone is 1.9 cm long how long are all of these bones when you combine their length? (4 pt)
2. If I fly a jet that has a top speed of 1850 km/hr in a straight line for 23 hours, what distance will I cover? (4 pt)
3. If it takes me 2.53 seconds to add a puff of air to a balloon and I spend 0.1 hours trying to fill the balloon, how full will the balloon be when I am finished? (4 pt)
4. What does the number and placement of the significant figures in a measured value tell us? (4 pt)?