

Name: _____

Instructions: Answer each of the following questions to the best of your ability. Use the proper number of significant figures and units in each question. You will have 10 minutes to complete the quiz.

1. (3 pts) Answer the following questions regarding significant figures.
 - a. How many significant figures are in this number 1005.0cm _____
 - b. How many significant figures are in this number. 0.00005070g _____
 - c. Write a number with 3 significant figures using scientific notation: _____
 - d. Round 12567mg to a number with only 2 significant figures: _____

2. (6 pts) Perform each of the following conversions
 - a. 10.00km to mm

 - b. 8546g to ng

 - c. $7.42 \times 10^7 \mu\text{g}$ to kg