

Name _____

Engr 104
Exam 1 Examples

Answer questions 1-2 on this sheet, questions 3-4 are to be done using Excel.

1. Express the following values using the **correct number of significant digits** (a, b, and c), or **specify the displayed number of significant digits** (d and e). (20 points)
 - a. 60000.0 in scientific notation is
 - b. Round 0.699966 to 3 significant figures
 - c. Round 2000.04 to 3 significant figures
 - d. How many significant figures are in the number 5.76000×10^3 ?
 - e. How many significant figures are in the number 0.00001111 ?

2. Calculate the result and **record the answer using the correct number of significant digits** (per the rules covered in class) in the following exercises. (20 points)
 - a. $(5.00) \cdot (6.00) =$
 - b. $14.25/6. =$
 - c. $99. + 25.1 + 56.225 =$
 - d. $65.00 - 10.5 + 6.50 =$
 - e. $(-2.4)^2 =$

