Chemistry 115 Name

Dr. Cary Willard

Quiz 1a (20 points) August 31, 2010

All work must be shown to receive credit

1. (4 points) Round the following numbers to 3 significant figures and write them in scientific notation.
   1. 69329350
   2. 0.000329631313
2. (4 points) Perform the following calculation and give the answer to the correct number of significant figures
   1. 36.287 + 164.86 =
   2. 39.562 x 0.2770 x 104.3 =
3. (4 points) What is a hypothesis?
4. (4 points) If a tree is 42.8 meters tall, how tall is it in millimeters?
5. (4 points) A recipe calls for 438 g of sugar. How many pounds of sugar are required?

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Quiz 1b (20 points) August 31, 2010

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1. (4 points) Round the following numbers to 3 significant figures and write them in scientific notation.
   1. 66971339350
   2. 0.0000324231313
2. (4 points) Perform the following calculation and give the answer to the correct number of significant figures
   1. 27.524 + 251.73 =
   2. 74.832 x 0.5380 x 261.6
3. (4 points) What is a law?
4. (4 points) If a tree is 52.3 meters tall, how tall is it in millimeters?
5. (4 points) A recipe calls for 257 g of sugar. How many pounds of sugar are required?