Chemistry 115 Name

Dr. Cary Willard

Quiz 1a (20 points) September 2, 2010

All work must be shown to receive credit

1. (4 points) How many significant figures are in each of the following numbers?
	1. 64.703
	2. 0.000850
2. (4 points) Perform the following calculation and give the answer to the correct number of significant figures
	1. 75.5489 + 432.60 =
	2. 53.753 x 0.9640 x 104.3 =
3. (4 points) What is an observation?
4. (4 points) If a pineapple has a mass of 1.73 kg, what is its mass in milligrams?
5. (4 points) A container of paint contains 6.24 quarts of green paint. How many mL of paint are in the can?

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Quiz 1b (20 points) September 2, 2010

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1. (4 points) How many significant figures are in each of the following numbers?
	1. 634.8005
	2. 0.000007530
2. (4 points) Perform the following calculation and give the answer to the correct number of significant figures
	1. 45.8634 + 632.40 =
	2. 43.742 x 0.9460 x 371.3 =
3. (4 points) What is a conclusion?
4. (4 points) If a pineapple has a mass of 2.17 kg, what is its mass in milligrams?
5. (4 points) A container of paint contains 8.52 quarts of green paint. How many mL of paint are in the can?