**Chem 1013: mini-quiz # 9: metric-Metric unit conversions A**

**18 Feb**

Your name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Convert the values on the left to the equivalent units on the right. Where indicated, express the conversion in scientific notation

**100 kg = \_\_\_\_1\*105\_\_\_\_\_\_\_\_ g (answer in scientific notation)**

**100 Gm = \_\_\_1\*10-1\_\_\_\_\_\_\_Tm (answer in scientific notation)**

**0.100 ns = \_\_\_\_100\_\_\_\_\_\_ ps**

**0.100 G$= \_\_\_100\_\_\_\_\_ M$**

**Chem 1013: mini-quiz # 9: metric-Metric unit conversions B**

**18 Feb**

Your name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Convert the values on the left to the equivalent units on the right. Where indicated, express the conversion in scientific notation

**100 mg = \_\_\_1\*10-1\_\_\_\_\_\_ g (answer in scientific notation)**

**0.100 Tm = \_\_\_\_1\*102\_\_\_\_\_Gm (answer in scientific notation)**

**100 ps = \_\_\_0.1\_\_\_\_\_\_ ns**

**10,000 M$= \_\_\_\_10\_\_\_\_\_\_ G$**