**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 = \_\_\_\_\_\_\_\_\_\_\_\_ g (answer in scientific notation)**

**100 Gm = \_\_\_\_\_\_\_\_\_\_\_\_Tm (answer in scientific notation)**

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

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

**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 = \_\_\_\_\_\_\_\_\_\_\_\_ g (answer in scientific notation)**

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

 **100 ps = \_\_\_\_\_\_\_\_\_\_ ns**

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