**Significant Figures**

**1. How many significant figures are there in each of the following measured values?**

a. 6.002 cm

b. 0.0020 m

c. 10.0500 g

d. 7000 kg

e. 7000. kg

**2**. **Round each of the following measurements to the number of significant figures indicated.**

a. 67.029 g to three significant figures

b. 0.15 L to one significant figure

c. 52.8005 mg to five significant figures

d. 3.174 97 mol to three significant figures

**3. How many significant figures are there in each of the following measurements?**

a. 0.4004 mL

b. 6000 g

c. 1.000 30 km

d. 400. mm