**Physics – Foundational Self Assessment Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

!. Convert the following:

1600.0 m = \_\_\_\_\_\_\_\_\_\_\_ km 499 m = \_\_\_\_\_\_\_\_\_\_\_ km

0.05 cm = \_\_\_\_\_\_\_\_\_\_\_ mm 1202.5 ml = \_\_\_\_\_\_\_\_\_\_\_ l

25.5 km = \_\_\_\_\_\_\_\_\_\_\_ m 0.12907 cm = \_\_\_\_\_\_\_\_\_\_\_ mm

2. Write answer in scientific notation:

2050 cm = \_\_\_\_\_\_\_\_\_\_\_ km 245.565 mm = \_\_\_\_\_\_\_\_\_\_\_ km

1000 days = \_\_\_\_\_\_\_\_\_\_\_ sec 10 sec = \_\_\_\_\_\_\_\_\_\_\_ days

3. If your best friend lives 5 miles away from your house, how far is that in meters? (1 mile = 1.6 km)

4. If you could walk 2 meters every second, how many minutes would it take you to reach their house?

5. If your desk measures 60 cm across and 160 cm wide, what is it’s surface area? In cm2? In m2?