

## Metric – English Conversions Homework

**Directions:** On a separate sheet of paper, complete the following. Place your answer in **both standard form and scientific notation**. Remember sig figs.

1. Convert 45.2 g to lbs
2. You ran a total of  $8.91 \times 10^3$  yards. How many meters did you run?
3. You drink 9.32 quarts of Gatorade. How many milliliters did you drink?
4. An Olympic sized swimming pool contains about  $6.6 \times 10^5$  gallons of water. How many liters is that?
5. Convert 4.56 km to miles
6. The Earth has a mass of  $5.972 \times 10^{24}$  kg. What is that mass in lbs?
7. There are 45.0 miles of nerves in the human body. How many meters is that?
8. On October 16, 1964 (50.0 years ago) China detonated its first atomic bomb. How many hours ago did this event in history happen?