

Name \_\_\_\_\_

### Metric English Conversions

Directions: Convert each of the given measurements to the unit requested, show all work. The first two are done for you.

1. 3.825 ft to m

$$1. \frac{3.825\text{ft}}{1} \times \frac{1\text{m}}{3.281\text{ft}} = 1.166\text{m}$$

2. 25.0 mi to km

$$2. \frac{25.0\text{mi}}{1} \times \frac{1.609\text{km}}{1\text{mi}} = 40.2\text{km}$$

3. 1.045 kg to lb

4. 82.45 g to oz

5. 25.0 in to  $\text{\AA}$  (symbol is angstrom, need three steps)

6. 4.85 L to qt

7. 400.0 mL to qt

8. 4.83 qt to mL

9. 4.017 cm to ft

10. 1.696 ft to cm

11. 40.00 in to m

12. 2384  $\text{\AA}$  to in (need three steps)