Dimensional Analysis Practice   Name:

Complete the following problems using the dimensional analysis method you learned in class.
You must show all your work- answers without work will receive no credit!

1. 240 hours to weeks

2. 2500 ft to km

3. 128 grams to lbs

4. 3.2 liters to oz

5. 12.4 $\frac{ft}{sec}$ to $\frac{m}{hour}$

6. $9.4 \ \frac{mL}{sec}$ to $\frac{L}{hour}$

7. $7.28 \ cm^3$ to liters

8. $45 \ in^2$ to m^2

9. $31 \ \frac{lbs}{in^2}$ to $\frac{kg}{cm^2}$

10. $67.3 \ \frac{ft}{s^2}$ to $\frac{m}{min^2}$