

Chem I

Name _____

Date _____ Per _____

Worksheet # C3: Conversions (pgs 40-42)

1. What is the mathematical rule that must be followed when making conversions? _____

2. By definition, 12 inches equals one foot, 3 feet equals one yard, and 5,280 feet equals one mile. Convert each of the following, setting up each just like we did in class. Showing the set-up is crucial! Also pay attention to sig figs: they will count from now on.

Ex: 29.3 feet = _____ yards

a. 3.276 miles = _____ feet

b. 39.280 inches = _____ feet

c. 3,469 miles = _____ yards (2 steps)

d. .0298 yards = _____ inches (2 steps)

e. 47,000,000 inches = _____ miles (2 steps)

f. .000400 yards = _____ inches (2 steps)

g. 100.0 feet = _____ miles