

## Fake Conversions Quiz II

Directions: Set up and solve the following conversions.

Use the following information: there are exactly 12 inches in one foot, three feet in one yard, and 5,280 feet in one mile.

1) 5.87 cubic yards = \_\_\_\_\_ cubic miles

2)  $12.3 \text{ in}^2 = \text{_____ yards}^2$

3)  $.04879 \text{ mph} = \text{_____ inches per year}$

4) The price of gas in Switzerland was recently 2.11 CHF (swiss franc) per liter. If 1.00 CHF equals 88.7 cents and 1.00 gallon equals 3.785 liters, what was the price of gas in Switzerland in dollars per gallon?

5) 1 petagram is equal to  $1 \times 10^{15}$  grams (by definition). How many kilograms are there in  $3.05 \times 10^{-7}$  petagrams?