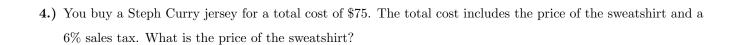# Homework 5 June 21, 2016

Solve the following equations. If necessary, round to the nearest hundredth.

1.) $4(m + 3) - 2m = 3(m - 3)$

2.) $\frac{1}{2}(8n - 2) = -(-8 + 9n) - 5n$

3.) $8.79x - 6.54 = 6.48 + 13.75x$

4.) You buy a Steph Curry jersey for a total cost of $75. The total cost includes the price of the sweatshirt and a 6% sales tax. What is the price of the sweatshirt?

5.) The cross-country team ran 8.7 kilometers in 42.5 minutes during their workout. Which equation could you use to find the teams average running speed (in kilometers per second).

    a. $8.7r = 42.5$

    b. $42.5r = 8.7$

    c. $42.5 + r = 8.7$

    d. $8.7 + r = 42.5$