

Name: \_\_\_\_\_

HW SE-1



Period: \_\_\_\_\_ Date: \_\_\_\_\_



**The Doctor's True False Equation Handout**

**Are the sentences true or false? Show Work.**

1. $10 + 2 = 14 + -2$	2. $(10 \bullet 24) \bullet -3 = 10 \bullet (24 \bullet -3)$
3. $10 \bullet 45 = 10 + 45$	4. $\sqrt{2} \bullet \sqrt{14} = \sqrt{28}$
5. $\sqrt{20} + \sqrt{5} = \sqrt{(20 + 5)}$	6. $\frac{1}{4} + \frac{4}{1} = \frac{5}{5}$



**Make the Sentences TRUE**



1. $10 + x = 0$ . Let $x =$
2. $4r - 20 = 80$ . Let $r =$
3. $h^3 = 64$ . Let $h =$
4. A number $x$ and its cube, $x^3$ have the same value. Let $x =$
5. The average of 10 and $n$ is 10. Let $n =$
6. $42 + k = k + 40$ . Let $k =$