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

**PRACTICE: Solving for Missing Variable**

One useful formula from science says that distance = rate X time.

We usually write d = rt to save space.

Use the formula d=rt to answer the following question by solving for the **specified variable** first.

Leslie is driving her old Volkswagen Bug to college and she wants to get there in 3 hours to meet her roommate. If her college is 200 miles from home how **fast (r)** will she have to drive?

Practice Problems:

**Rewrite each equation in terms of the indicated (Letter).**

 1) P = IRT    ***(T)*** 2) P = 2(L + W) ***(W)***

3) y = 5x - 10 ***(x)*** 4) 2x - 3y = 9    ***(y)***

5) x + y = 5 ***(x)***6) y = mx + b   ***(b)***
             3

7) ax + by = c ***(y)*** 8) V = LWH ***(L)***

9) ax + by = c ***(x)*** 10) 2x - 3y = 8    ***(x)***

**Homework**

**Rewrite each equation in terms of the indicated (Letter).**

 1) P = 2L + 2W ***(W)*** 2)  ***(h)***

3)  ***(m)*** 4) -20x – 5y = 30    ***(y)***

5)  (b***)***6) y = mx + b   (x***)***

7)  ***(h)*** 8)  ***(c)***

9)  (*E*) 10) 6x + 3y = -15    ***(y)***