

Name \_\_\_\_\_ Date \_\_\_\_\_ Hour \_\_\_\_\_

**Worksheet 2.5 and 2.7 – Multiplication and Division of Real Numbers – Textbook  
pages 93-98 and pages 108-113**

**LEVEL 1**

Find the product or quotient.

1)  $(9)(-5)$

2)  $(-4)(-10)$

3)  $(-15)(-18)$

4)  $-52 / 4$

5)  $-56 / (-7)$

6)  $18 / -4$

7)  $3.6 / .15$

8)  $(5/6)(3/7)$

9)  $(4/5) / (3/4)$

**LEVEL 2**

Find the product or quotient.

10)  $(4c)(-2)$

11)  $(-4y)(-5)$

12)  $(-15x)(-5)$

13)  $(b/8) / 2$

14)  $(-3b/8) / (-3/4)$

15)  $16 / (-2a)$

16)  $(3.6b) / (.9)$

17)  $(5a/8)(4)$

18)  $(-12b) / (3/4)$

### **LEVEL 3**

Evaluate the expression for the variables. Show your work.

19)  $\frac{(x-2)}{y}$  when  $x = 8$  and  $y = 2$

20)  $\frac{(3x+y)}{x}$  when  $x = 1$  and  $y = 15$

21)  $\frac{(4+x)}{y}$  when  $x = -4$  and  $y = 2$

22)  $\frac{(xy)}{x+y}$  when  $x = 3$  and  $y = -3$

### **LEVEL 4**

23) You are in charge of ads for the yearbook. The area available on one page is 63 square inches. If you put four ads of the same size on one page, how much area does each ad receive?

24) There is a slow leak in your bike tire. It is losing air at a rate of 2 lbs per square inch per day. Let  $x$  represent the amount of air in the tire now. Write an expression for the amount of air in the tire after 3 days. If the amount of air in the tire is 75 lbs per square inch, find the amount of air in the tire after 3 days.