Math 7 Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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

**Review: Rational Numbers**

1. **Evaluate each expression if a = -1, b = 2 and c = 1**

1. 3a – bc b. -2ab-2c

 c. a2 + 4b + c d. (abc)2

**Solve:**

1. The temperature in Huntington was 19.20 C during the day. At night the temperature was -5.10C. What is the difference in the temperature? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. During a week, the stock of Google had the following daily changes in price: Monday, up 7 points, Tuesday, down 3 points, Wednesday, up 2 $\frac{1}{2}$ points, Thursday, up $1\frac{3}{4}$ points and Friday, down $\frac{3}{8}$ of a point. What was the net change in price of the stock for the week?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Perform the indicated operation. Write your answer in simplest form. Box your answer.**

1. $\frac{4 }{8}$ + $\frac{-2}{8}$ 5. $\frac{-4}{12}$ + $\frac{1}{6}$

6. $\frac{3}{4}$ + (-2 $\frac{1}{3}$ ) 7. -6.5 + 2.25

8. -10.24 – (-3.71) 9. $-2\frac{1}{2}+ -4\frac{1}{8}$

10. $\frac{4}{7}$ - $\frac{-6}{7}$ 11. $\frac{-1}{3}$ - $\frac{-2}{7}$

12. $\frac{-3}{4}$ ● $ \frac{1}{8}$ 13. -4 $\frac{1}{2}$ ● (-2 $\frac{3}{5}$ )

14. ( -3.1 )(4.06) 15. $\frac{1}{2}$ ÷ $\frac{-3}{8}$

16. – 3 $\frac{2}{5}$ ÷ (-4) 17. -0.25 ÷ 0.05

**Match the property with the given example:**

18. 3(a + 5) = 3 ● a + 3● 5 \_\_\_\_\_\_ a. Associative of +

19. -3 + 0 = -3 \_\_\_\_\_\_ b. Distributive

20. 2 + (5 + 3) = (2 + 5) + 3\_\_\_\_\_ c. Commutative of +

21. 4 + 3 = 3 + 4 \_\_\_\_\_ d. Additive Identity

22. 2(5b) = (5b)2\_\_\_\_\_\_ e. Multiplicative Identity

23. 10 • 1 = 10 \_\_\_\_\_\_\_ f. Commutative of •

**True or False:**

24. $\frac{0}{5}=0$ \_\_\_\_\_\_\_\_\_\_\_

25. $\frac{-2}{3}= \frac{2}{-3}=\frac{-2}{-3}$ \_\_\_\_\_\_\_\_\_\_

26. -32 = 9 \_\_\_\_\_\_\_\_\_\_\_

27. x + (- 7) = x – 7 \_\_\_\_\_\_\_\_