**1) What is the value of (0.6)3?**

a. 18 b. 1.8 c. 216 d.0.216

**2) What is the value of (3/5)3 + (2/5)3?**

a. 1/5 b. 35/125

c. 32/125 d. 35/250

**3) Write each phrase as an algebraic expression.**

A) Nine less than twice a number \_\_\_\_\_\_\_\_\_\_\_\_\_

B) The quotient of a number and nine\_\_\_\_\_\_\_\_\_\_

C) Five subtracted from m \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**4A) Andy’s math grade was 15 points higher than Bailey’s. Let *m* represent Andy’s math score. Write an algebraic expression for Bailey’s score.**

**4B) Which expression represents the three times the sum of a number *(m)* and 10?**

a. 3m + 10 b. 3(m + 10)

c. 3(10m) d. 3 + m + 10

**5) How many factors are in the expression**

**4(2x2 + 3x + 4y + 5)?**

a. 1 b. 2 c. 3 d. 4 e. 5 f. 6

**6) Which shows all the terms in 4m + 2n +16?**

a. 2 b. m and n

c. 4m and 2n d. 4m, 2n, 16

7**) Name the coefficient, constant and variable in 4m + 3.**

a. 4, 3, m b. m, 3, 4

c. 4, m, 3 d. 3, 4, m

**8) What is the value of the expression 5m + 2n, if   
m = 2 and n = 3?**

a. 55 b. 13

c. 75 d. 16

**9) If a = 0.5, b = 1.2 and g = 4.3, what is the value of *bag*?**

a. 258 b. 2.58

c. 6 d. 60

**10) If d = (1.5)2, e = 7 and f = 3.41, what is the value of *de + f*?**

a. 13.91 b. 15.75

c. 33.41 d. 19.16

**Review**:

**11) Jim has $15.80 and he wants to buy roast beef, which costs $4.29 per pound. The meat comes in packages that weigh 1.75 pounds. How many containers can he purchase?**

a. 1 b. 2 c. 3 d. 4 e. 5 f. 6

**12) The area of a small carpet stain is 5/18 ft2. If the width is 1/3 ft, then what is the length? (A = LW)**

a. 5/54 ft b. 5/6 ft c. 6/5 ft