Name:	Class:
Due Date:	Topic 1 Review
	able and a variable quantity? Give a real life example of each.
2.) Define	
Sum:	
Difference:	
Product:	
Quotient:	

3.) What is the value of the expression  $u^2 + 2v$  when u = 12 and v = 13?

4.) A basketball coach uses the expression 2b + f to determine the number of points earned by his players during a practice drill, where b is the number of baskets made outside the free throw lane and f is the number of baskets made inside the free throw lane. How many points did Emily earn is she made 8 baskets out of the free throw lane and 12 baskets inside the free throw lane?

5.) What is the value of the expression  $r^3 + 10w$  when r = 10 and w = 3?

8.) Sarah invited 4 girls and 7 boys to a party. Each of Sarah's guests received a certain number of candy bars, c. Which expression represents the total number of candy bars given to Sarah's guests?

A. 11c

B. 28c

C. 4c + 7 D.  $4c \cdot 7c$ 

- 9.) Gordon is a chef at a restaurant. This week he ordered 10.5 fewer pounds of steak than he ordered last week Use s to stand for the number of pounds of steak Gordon ordered last week. Write an expression for the number of pounds of steak that Gordon ordered this week.
- 10.) Write an expression that shows the sum of twice a number and 5.

11.) 
$$8^2 + 9^2$$

12.) 
$$4^3 + 3^2 + 2^1$$

13.) 
$$6^3 + 9^2 \cdot 6^1$$

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Class: \_\_\_\_\_

Due Date:

Topic 1 Review

1.) Describe the difference between a variable and a variable quantity? Give a real life example of each.

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2.) Define

3.) What is the value of the expression  $u^2 + 2v$  when u = 12 and v = 13?

4.) A basketball coach uses the expression 2b + f to determine the number of points earned by his players during a practice drill, where b is the number of baskets made outside the free throw lane and f is the number of baskets made inside the free throw lane. How many points did Emily earn is she made 8 baskets out of the free throw lane and 12 baskets inside the free throw lane? b = 8

5.) What is the value of the expression  $r^3 + 10w$  when r = 10 and w = 3?

6.) 
$$(8+9)-(9-2^2)$$
 $17-(9-2^2)$ 
 $17-(9-4)$ 
 $17-5$ 

7.) 
$$(4^3 + 3^3) - 40$$
 $(64 + 3^3) - 46$ 
 $(64 + 27) - 40$ 

8.) Sarah invited 4 girls and 7 boys to a party. Each of Sarah's guests received a certain number of candy bars, c. Which expression represents the total number of candy bars given to Sarah's guests?

9.) Gordon is a chef at a restaurant. This week he ordered 10.5 fewer pounds of steak than he ordered last week Use s to stand for the number of pounds of steak Gordon ordered last week. Write an expression for the number of pounds of steak that Gordon ordered this week.

S-10.5 This week 
$$S-10.5$$

10.) Write an expression that shows the sum of twice a number and 5.

11.) 
$$8^2 + 9^2$$
 $64 + 9^2$ 
 $64 + 81$ 

12.) 
$$4^{3} + 3^{2} + 2^{1}$$
 $64 + 3^{2} + 2^{1}$ 
 $64 + 9 + 2^{1}$ 
 $64 + 9 + 2^{1}$ 
 $64 + 9 + 2^{1}$