

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

### 1<sup>st</sup> Semester Benchmark Study Guide

#### Evaluate.

1.)  $67.03 + 12$

2.)  $34.9 - 2.55$

3.)  $74.2 \times 0.13$

4.)  $7254.109 \div 47.1$

5.) Jabe has \$521.07 in his bank account. He buys an iPad on sale for \$399.95. How much money does he have left in his bank account?

6.) At noon, the temperature in Detroit, Michigan, was 21 degrees Fahrenheit. At midnight, the temperature was 9 degrees Fahrenheit. How much did the temperature change during the 12-hour period?

7.) Damian's home is located at 350 feet above sea level. How far, in feet, is his home above Owen's home that is at 125 feet above sea level?

8.) Jillian is a fashion designer. She is paid \$50 for designing a dress plus \$15 for each hour she works. How much will Jillian earn for working 7 hours?

9.) Logan has a job raking leaves. He is paid \$7.25 per hour. He was paid \$29 for raking Mrs. Cook's yard. Write an equation to find the number of hours  $h$  he worked.

10.) Mary Katelyn's Mom is twenty-seven years older than Mary Katelyn. If Mary Katelyn's Mom is 42 years old, how old is Mary Katelyn?

11.)  $(7 + 3) \div 2 \cdot 3^2$

12.)  $4^3 - 20 \div 11$

13.) Simplify:  $3(5x + 7)$

14.) Simplify:  $8(6x + 2y - 5z)$

15.) Complete the table for  $y = 4x$ .

x	0	3	5	9
y				