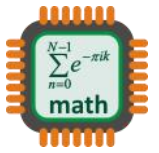
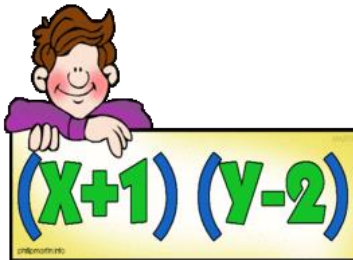


Name \_\_\_\_\_



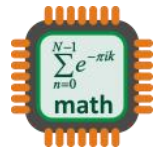
# Reading, Writing and Evaluating Algebraic Expressions

## Student Workbook



Aligned with NCCS Math 6.EE.2

Name \_\_\_\_\_



**Directions.** Write an algebraic expression with a variable for each of the statements.

1. 3 less than 4 times a number

2. 5 more than 8 times a number

3. A number divided by 6

4. A number times 7

5. 3 more than a number divided by 2

6. 7 less than the product of 12 and a number

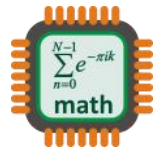
7. A number times 19

8. 10 less than a number divided by 4

9. A number divide by 15

10. 4 more than a number times 2

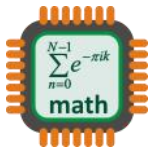
Name \_\_\_\_\_



**Directions.** Write algebraic expressions using parentheses for each of the statements.

1. 8 times the sum of a number and 2
2. 16 times the sum of a number and 12
3. Four times the difference between a number and 3
4. 13 times the difference between a number and one
5. A number and 14 divided by 6
6. A number and 2 divided by 8
7. The difference between a number and 6 divided by 3
8. The times a number less 12
9. Five times the sum of a number and 9
10. Twice the difference of a number and 6

Name \_\_\_\_\_



**Directions. Evaluate (solve) the expressions in the boxes below by substituting the values given for the variables. Use the order of operations.**

$$4x^2 + y - 8; \text{ where } x = 2 \text{ and } y = 8$$

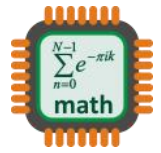
$$3x^3 - y^2; \text{ where } x = 3 \text{ and } y = 5$$

$$\frac{1}{2}(x + y); \text{ where } x = 8 \text{ and } y = 2$$

$$7x - 3y^2 + 2; \text{ where } x = 4 \text{ and } y = 1$$

$$4(x^2 - 5y + 7); \text{ where } x = 4 \text{ and } y = 2$$

Name \_\_\_\_\_



**Directions.** Read the algebraic expression and answer the questions that follow in the box on the right.

$4x - 2y + 3$	
1. What are the three terms in this expression?	
2. What are the variable terms?	
3. What is the constant term?	
$5x^2 + x + 7$	
4. What is the variable in this expression?	
5. What is the 5 in the term $5x^2$ called?	
6. What is the 2 in the term $5x^2$ called?	
$x^3 - xy + y^2 - 9$	
7. How could $x^3$ be rewritten?	
8. What does the term $xy$ mean?	
9. Can you combine all the Xs and Ys in this expression?	