Sec. 3.1 - Translating Algebraic Expressions

Name: _____   Date: _____

Match the vocabulary to the correct definition. Write the answer in the blank on the left side of that paper.

_____ 1. Algebraic Expression   A. Each part of an expression separated by an operation

_____ 2. Coefficient   B. A number that stands by itself

_____ 3. Constant   C. A number that does not stand by itself. It is attached to the variable.

_____ 4. Term   D. A letter that stands for a particular numerical value

_____ 5. Variable   E. A number sentence without an equal sign, has at least one two terms and one operation

Identify each part of the algebraic expression as the coefficient, constant, or variable.

1. 4x - 12

     4 is a(n) _____

     x is a(n) _____

     -12 is a(n) _____

2. a + 3b

     a is a(n) _____

     3 is a(n) _____

     b is a(n) _____

3. 6y

     6 is a(n) _____

     y is a(n) _____

Team Name: _____

Team Members: _____

DIRECTIONS: *Translating each of the following into an equation.*

1. Three less than an number is equal to thirteen. _____

2. The product of nine and a number is forty-five. _____

3. A number divided by six is eighteen. _____

4. A number plus seventeen is twenty-five. _____

5. Seven times a number is twenty-eight. _____

6. A number divided by seven is nine. _____

7. A number minus twelve is twenty. _____

8. The quotient of a number and three is twenty-five. _____

9. One-fifth of a number is fifteen. _____

10. Six less than two times a number is thirty-four. _____

11. Five more than a number is equal to nine. _____

12. A number increased by three is nineteen. _____

13. The difference of a number and seven is thirty. _____

14. Fifteen multiplied by a number is seventy-five. _____

15. The sum of triple a number and five is forty-seven. _____