

Name: \_\_\_\_\_ Date: \_\_\_\_\_ Block: \_\_\_\_\_

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

- |       |                         |   |
|-------|-------------------------|---|
| _____ | 1. Algebraic Expression | A. Each part of an expression separated by + or -.  |
| _____ | 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 term and one operation; algebraic expressions contain one or more variables. |

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) \_\_\_\_\_

Name \_\_\_\_\_

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

Date: \_\_\_\_\_

**Identifying Terms, Coefficients, and Constants**

For each expression, fill in the table by telling how many terms there are and by listing the coefficients and the constants.

<u>Problem #</u>	<u># of Terms</u>	<u>Coefficients</u>	<u>Constants</u>
1.) $x + 1$	1		
2.) $2x^2 + x - 3$	2		
3.) $4$	3		
4.) $10x^3yz$	4		
5.) $3x - 6$	5		
6.) $7y^3 - 4y^2 + 2$	6		
7.) $-10$	7		
8.) $a + 2b + 4c + d$	8		
9.) $r^2 + 11r$	9		
10.) $0$	10		
11.) $3x^2y^4$	11		
12.) $4x^3 - 4x^2 + x + 3$	22		
13.) $2x^3 - 1$	13		
14.) $6y$	14		
15.) $-4x^4$	15		
16.) $5x^4y^3$	16		
17.) $x^2 + x - 3$	17		
18.) $-3x$	18		
19.) $4x^2 - 1$	19		
20.) $7x^6 - 3x^3 + 2$	20		