

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) _____

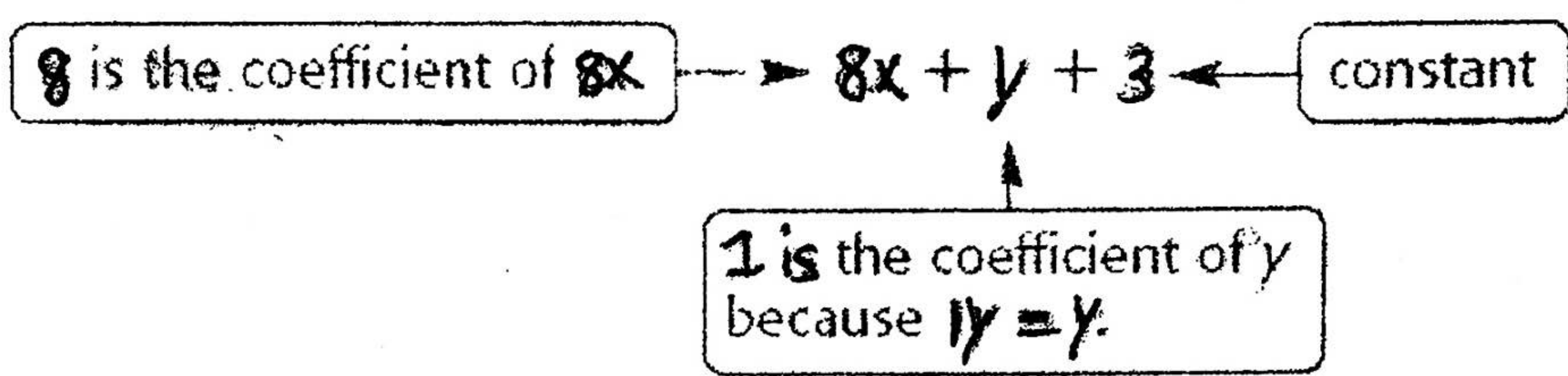
b is a(n) _____

3. $6y$

6 is a(n) _____

y is a(n) _____

When plus or minus signs **separate** an algebraic expression into parts, each part is a **term**. The numerical factor of a term that contains a **variable** is called a **coefficient**. A term that does not contain a variable is called a **constant**.



Identify the terms, coefficients, and constants in each expression.

17. $3 + 7x + 3x + x$

Terms: _____
 Coefficients: _____
 Constants: _____

18. $y + 3y + 8y + 2$

Terms: _____
 Coefficients: _____
 Constants: _____

19. $2a + 5a - a + 6a$

Terms: _____
 Coefficients: _____
 Constants: _____

20. $5c - 2d + 3d - d$

Terms: _____
 Coefficients: _____
 Constants: _____

21. $6m - 2n + 7$

Terms: _____
 Coefficients: _____
 Constants: _____

22. $7x - 3y + 3z - 2$

Terms: _____
 Coefficients: _____
 Constants: _____

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			