

Name:

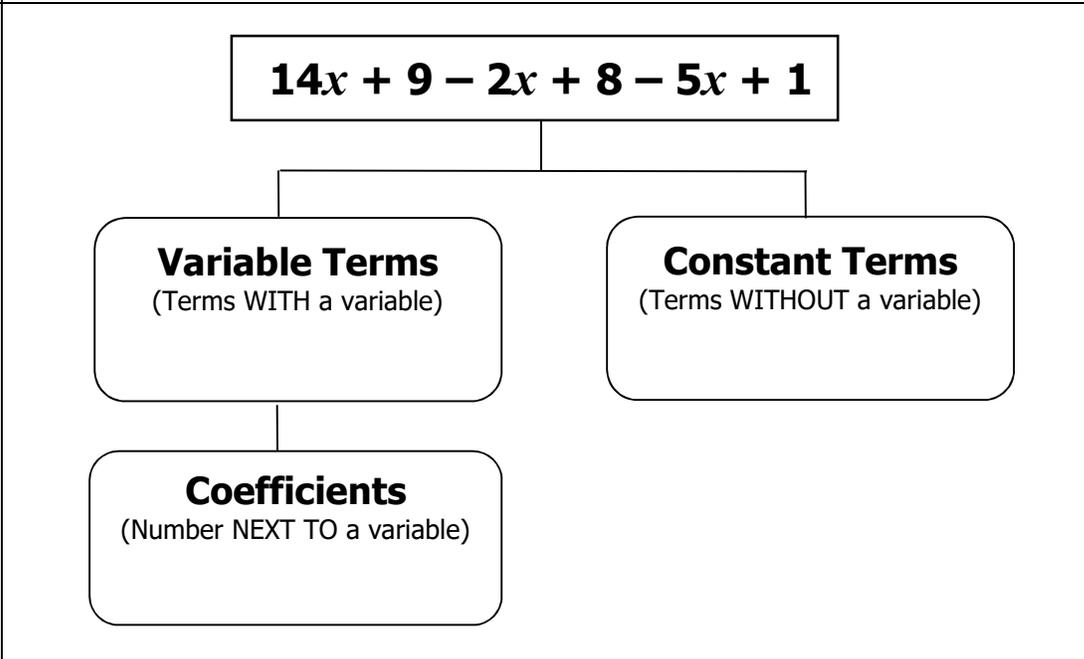
Date:

Topic:

Class:

Main Ideas/Questions Notes/Examples

PARTS OF AN EXPRESSION



EXAMPLES

Directions: Identify the variable terms, constant terms, and coefficients.

	Expression	Variable Terms	Constant Terms	Coefficients
1.	$11a + 4a$			
2.	$3x + 6 + 7x - 4$			
3.	$-12m - 3 + 4m + 16$			
4.	$6k - 4 + k - 2$			
5.	$3 + 13 - 5p - 2p$			
6.	$-10r - r - 6r + 11$			
7.	$19 - 5n - 8 + 14$			
8.	$-5 + 13y - 2y + 18$			
9.	$8a - 7b + 1 - 2b + 3a$			
10.	$11x - 4y + 2x + 8$			

COMBINING LIKE TERMS

You can simplify an algebraic expression by **combining like terms**. This means to combine common variable terms and constant terms.

Example: Simplify the expression below:

$$14x + 9 - 2x + 8 - 5x + 1 = \underline{\hspace{2cm}}$$

EXAMPLES

Directions: Simplify each expression.

11. $4x + 7x$

12. $k - 6k$

13. $6c + 1 + 11c$

14. $7 - 2y + 12$

15. $11m - 5m - 13$

16. $-6 + 8a - 16$

17. $9v + 7 - 3v - v$

18. $4 - 2n - 3n - 19$

19. $-14w + 10w - 11 + 2w$

20. $-1 - 6 - 5r + 13r$

21. $10 + 4h - 8h - 1$

22. $-7x - 12 + x - 9 + 6x$

23. $-8x - 2y + 23x - 6y$

24. $-a - 5b + 4b - 11b + 2 - 3a$

25. $9m - 5n + 14 + m - 2n - 7$

26. $2c + 7d - 8c - c - 5 + 4d$

27. $\frac{11}{4}k - \frac{3}{8}k$

28. $\frac{3}{4} - \frac{1}{6}v + \frac{7}{15}v - \frac{1}{2}$

Name: _____

Unit 2: Algebraic Expressions



Date: _____ Per: _____

Homework 2: Combining Like Terms

Directions: Identify the variable terms, constant terms, and coefficients for each expression.

	EXPRESSION	VARIABLE TERMS	CONSTANT TERMS	COEFFICIENTS
1.	$7k - 8k$			
2.	$1 - 3m + 14$			
3.	$5y + 2y - 7 + y$			
4.	$-19 + 4 - 2w + 7 - 11w$			
5.	$3a - 2b - b + 10a - 16$			
6.	$-n + 4m - 27 - 3m + 2n$			

Directions: Simplify each expression by combining like terms.

7. $-x + 8x$	8. $16 - 2v + 3$
9. $7p - 11 + p - 15$	10. $-3y - 2 - 3 + 17y$
11. $8m - 5 - m - 8$	12. $-4k + 11 - 4k + 14$
13. $-1 - w - 2w + 7 - 19$	14. $34 - 11c - 7 + 2c$
15. $6m - n + 5n - 5m$	16. $7r + 3r - 15s - 10r + 8s$
17. $-14 - 2x - 10 + 3y + 8x - 16y$	18. $6b - 4a + 4a - 17b + b$
19. $-7p + 15 - 2q + 11q - 2p - 3$	20. $8 + \frac{2}{3}k - \frac{4}{15}k - \frac{1}{4}$