

Show your work!

NAME _____ DATE _____ PERIOD _____

Skills Practice

Algebra: Variables and Expressions

Complete the table.

Algebraic Expressions	Coefficients	Variables	Constants
1. $5d + 2c$			
2. $5w - 4y + 2s$			
3. $xy + 4 + 3m - 6$			

The # in front of variable

The letter of the unknown value

The # that is all by itself in the problem

Evaluate each expression if $a = 3$ and $b = 4$.

4. $10 + b$

5. $2a + 8$

6. $4b - 5a$

7. $a \cdot b$

8. $7a \cdot 9b$

9. $8a - 9$

10. $b \cdot 22$

11. $a^2 + 1$

12. $18 \div 2a$

13. $a^2 \cdot b^2$

14. $ab \div 3$

15. $15a - 4b$

16. $ab + 7 \cdot 11$

17. $36 \div 6a$

18. $7a + 8b \cdot 2$

Evaluate each expression if $x = 7$, $y = 15$, and $z = 8$.

19. $x + y + z$

20. $x + 2z$

21. $xz + 3y$

22. $4x - 3z$

23. $4x - 17$

24. $6z - 5z$

25. $9y \div (2x + 1)$

26. $14 + 2z$

27. $z \div 2$

28. xz

xz
 $7 \cdot 8 = 56$

29. $y - x$

30. $13y - xz + 4$

31. $xz - 2y + 8$

32. $2xz$

33. $3y \cdot 40x - 1,000$

* Remember!
If a # and letter are sitting side by side you must MULTIPLY!

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