

Expressions and Equations Review

Number ____ Name _____ Period ____

Indicate the answer choice that best completes the statement or answers the question.

Evaluate each expression if $a = -4$, $b = 3$, $c = -2$, and $d = -1$.

1. $7 + 2b$

2. $9 - c$

3. $2b^2 - 12$

Use the Distributive Property to rewrite each expression.

4. $-3(2 - 4n)$

5. $5(3m + 2)$

Simplify the expressions.

6. $3a(4)$

7. $-a + 7b - 6a - 9b$

8. What property is being shown here: $x + (y + z) = (x + y) + z$

9. Explain why subtraction is NOT commutative.

Simplify to find an equivalent expression. Write your answer in the line provided. Show all of your work.

10. $2 - 5(3 - 2x)$

11. $-2(3x - 10) + 12$

12. $(-3x + 7) + (18x - 5)$

13. $(2y + 10) - (4y - 8)$

14. Factor: $18x - 27$

15. Explain why these two expressions are NOT equivalent.

$2x + 3 - 9x$ and $11x + 3$