

Name _____

Evaluating Algebraic Expressions

Study the box below. Evaluate each expression if $a = 6$, $b = 4$, $c = 5$, and $d = 3$. Write the answer on the line provided.

Rule: Substitute the numbers for the variables. Evaluate.	Example: ad $6 \times 3 = 18$
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1. b^2 _____

4. $3a - 5$ _____

7. $5b \div 2$ _____

2. abc _____

5. $a^2 - 2$ _____

8. abc^2 _____

3. $(abc)^2$ _____

6. $7a - 2c$ _____

9. $\frac{ab}{d} + c$ _____

Evaluate each expression if $w = 9$, $x = 8$, $y = 4$, and $z = 2$. Write the answer on the line provided.

10. $x \div y$ _____

14. $wx - yz$ _____

18. $3w + x$ _____

11. $x^2 \div y^3$ _____

15. $\frac{wx}{y}$ _____

19. $2y^2 - z^2$ _____

12. $3xy^2$ _____

16. $3(xy)^2$ _____

20. $2w \div z$ _____

13. $4x \div y^2$ _____

17. $3z^2$ _____

21. $wxyz^2$ _____