

Substituting Values into Expressions

Name: _____

Date: _____

Instructions: Evaluate each expression by substituting the given values for the variables. Show your working.

Section A: Single Variable

1. If $x = 5$, find the value of: $3x + 7$

Answer: _____

2. If $a = 8$, find the value of: $2a - 10$

Answer: _____

3. If $n = 4$, find the value of: $n^2 + 6$

Answer: _____

4. If $y = 12$, find the value of: $y/3 + 9$

Answer: _____

Section B: Two Variables

5. If $x = 6$ and $y = 3$, find the value of: $x + y$

Answer: _____

6. If $a = 10$ and $b = 2$, find the value of: $4a - 3b$

Answer: _____

7. If $m = 5$ and $n = 7$, find the value of: $2m + n$

Answer: _____

8. If $p = 9$ and $q = 4$, find the value of: $p^2 - q^2$

Answer: _____

Section C: Challenge Questions

9. If $x = 3$, find the value of: $5x^2 - 2x + 8$

Answer: _____

10. If $a = 6$ and $b = 2$, find the value of: $3(a + b) - 4$

Answer: _____

11. If $x = 8$ and $y = 5$, find the value of: $xy + x - y$

Answer: _____

12. If $m = 10$, find the value of: $m/2 + m/5$

Answer: _____