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: $\mathbf{3x + 7}$

Answer: _____

2. If $a = 8$, find the value of: $\mathbf{2a - 10}$

Answer: _____

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

Answer: _____

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

Answer: _____

Section B: Two Variables

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

Answer: _____

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

Answer: _____

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

Answer: _____

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

Answer: _____

Section C: Challenge Questions

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

Answer: _____

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

Answer: _____

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

Answer: _____

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

Answer: _____