

Collecting Like Terms

Name: _____

Date: _____

Instructions:

Simplify each expression by collecting like terms. Remember: like terms have the same variable part.

Section A: Two Variables

1. $3x + 5y + 2x + y =$ _____
2. $7a + 4b - 3a + 2b =$ _____
3. $5m - 2n + 3m + 6n =$ _____
4. $8p + 3q - 5p - q =$ _____
5. $6x - 4y - 2x + 7y =$ _____

Section B: With Constants

6. $4x + 7 + 2x - 3 =$ _____
7. $5a - 2 + 3a + 8 =$ _____
8. $9y + 4 - 3y - 1 =$ _____
9. $2m + 5n + 6 + 3m - n - 4 =$ _____
10. $7p - 3q + 9 - 2p + 5q - 6 =$ _____

Section C: Multiple Variables

11. $3x + 2y + 5z + x - 3y + 2z =$ _____
12. $6a - 4b + 2c - a + 5b - c =$ _____
13. $5m + 3n - 2p + 4m - n + 6p =$ _____
14. $8x - 3y + 7 + 2x + 5y - 4 - x =$ _____
15. $4a + 6b - 2c + 10 - 3a - b + 5c - 7 =$ _____