Expanding Brackets and Parentheses

Name: _____ Date: _____

Instructions: Expand each expression by multiplying the term outside the bracket with each term inside the bracket. Remember to apply the distributive property carefully and watch for negative signs!

Section A: Basic Expansion

1. $3(x + 5) =$ _____
2. $5(y + 2) =$ _____
3. $4(a + 7) =$ _____
4. $6(m + 3) =$ _____
5. $2(p + 9) =$ _____
6. $7(t + 4) =$ _____

Section B: Expansion with Subtraction

7. $5(x - 3) =$ _____
8. $4(y - 6) =$ _____
9. $8(a - 2) =$ _____
10. $3(k - 7) =$ _____
11. $6(n - 5) =$ _____
12. $9(w - 1) =$ _____

Section C: Two Terms Inside Brackets

13. $3(2x + 4) =$ _____
14. $5(3y + 2) =$ _____
15. $4(2a - 5) =$ _____
16. $6(4m - 3) =$ _____
17. $2(5p + 7) =$ _____
18. $7(2t - 6) =$ _____

Section D: Negative Multipliers (Challenge!)

19. $-2(x + 5) =$ _____
20. $-3(y - 4) =$ _____
21. $-5(2a + 3) =$ _____
22. $-4(3b - 2) =$ _____

Section E: Mixed Practice

23. $8(x + y) =$ _____

24. $5(3a - 2b) =$ _____

25. $-6(2x + 5y) =$ _____