Expanding Single Brackets

Name: _____ Date: _____

Remember: When expanding brackets, multiply the term outside the bracket by each term inside the bracket.

Example: $3(x + 4) = 3 \times x + 3 \times 4 = 3x + 12$

Part A: Expand these expressions

1. $2(x + 5) =$ _____

2. $4(y + 3) =$ _____

3. $5(a + 7) =$ _____

4. $3(m + 9) =$ _____

5. $6(p + 2) =$ _____

6. $7(n + 1) =$ _____

7. $8(k + 4) =$ _____

8. $9(t + 6) =$ _____

Part B: Expand these expressions with subtraction

9. $3(x - 2) =$ _____

10. $5(y - 4) =$ _____

11. $4(a - 6) =$ _____

12. $6(b - 3) =$ _____

13. $7(c - 1) =$ _____

14. $2(d - 8) =$ _____

15. $9(e - 5) =$ _____

16. $8(f - 7) =$ _____

Part C: Expand these expressions with two terms

17. $4(2x + 3) =$ _____

18. $3(5y + 2) =$ _____

19. $5(3a - 4) =$ _____

20. $2(4b - 7) =$ _____

21. $6(2m + 5) =$ _____

22. $7(3n - 1) =$ _____

Part D: Challenge questions

23. $-3(x + 4) =$ _____

24. $-2(y - 5) =$ _____

25. $5(2a + 3b) =$ _____

26. $4(3x - 2y) =$ _____