Using the Distributive Property

Name: _____ Date: _____

Remember: The distributive property states that $a(b + c) = ab + ac$

Part A: Expand the brackets

1. $3(x + 5) =$ _____

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

3. $7(a - 4) =$ _____

4. $2(n - 8) =$ _____

5. $6(p + 3) =$ _____

6. $4(y - 1) =$ _____

7. $9(k + 7) =$ _____

8. $8(t - 6) =$ _____

Part B: Expand and simplify

9. $2(x + 3) + 4x =$ _____

10. $5(m + 1) + 3m =$ _____

11. $3(a - 2) + 7 =$ _____

12. $4(p + 5) - 3p =$ _____

13. $6(n - 1) + 2n =$ _____

14. $7(y + 2) - 5 =$ _____

Part C: Expand brackets with negative terms

15. $-2(x + 4) =$ _____

16. $-3(m - 5) =$ _____

17. $-5(a + 2) =$ _____

18. $-4(p - 3) =$ _____

Part D: Challenge - Expand and simplify

19. $3(x + 2) + 2(x + 5) =$ _____

20. $4(m - 1) + 3(m + 2) =$ _____

21. $5(a + 3) - 2(a + 1) =$ _____

22. $2(p - 4) + 3(p - 2) =$ _____