Develop your skills in breaking down and simplifying complex algebraic expressions.

Easy Questions

1. Simplify the expression $3x + 5x$.

2. Simplify the expression $2a + 3a + 4b - b$.

3. Simplify the expression $(x + 2) + (3x - 5)$.

4. Simplify the expression $4a - 2a + 7$.

5. Simplify the expression $6x - 2x + 3y - y$.

Intermediate Questions

6. Simplify the expression $5x + 7 - 3x + 2$.

7. Simplify the expression $2a + 3b + 4a - 5b$.

8. Simplify the expression $(3x + 4) - (x - 2)$.

9. Simplify the expression $2(x + 3) + 3(x - 5)$.

10. Simplify the expression $4[2x - 3] - 3[x - 4]$.

11. Simplify the expression $(2a + 3b) + (4a - 2b)$.

12. Simplify the expression $\frac{1}{2}x + \frac{3}{2}x$.

13. Simplify the expression $3[x + 2(2x - 1)]$.

14. Simplify the expression $2(3y + 4) - 5(y - 2)$.

15. Simplify the expression $4(a + 2) + 2(3a - 4)$.

16. Simplify the expression $5x - 2y + 3x + y$.

17. Simplify the expression $(4x + 2y) - (2x - y)$.

18. Simplify the expression $3(a + 2b) - a - 4b$.

19. Simplify the expression $2(x + 3) + 3(2x - 1)$.

20. Simplify the expression $4x + 3 - 2(x - 5) + x$.

Hard Questions

21. Simplify the expression $3[2x - (x - 4)] + 2[3 - (2x - 1)]$.

22. Simplify the expression $2(x + 3) - 3[2 - (x - 1)]$.

23. Simplify the expression $4[(x + 2) - 3(x - 1)] + 5[2 - x + (x + 1)]$.

24. Simplify the expression $(2x + 3) - [(x - 1) + 2(1 - x)]$.

25. Simplify the expression $3[2(a + 1) - (a - 2)] + 4[(2a - 3) - (a - 4)]$.

26. Simplify the expression $2[3x + 4 - (x - 2)] - 5[x + 1 - (2x - 3)]$.

27. Simplify the expression $(3 + 2x) - (2 - [x - 3(1 - x)])$.

28. Simplify the expression $4[x - (2 - x)] + 3[(x + 1) - (1 - x)]$.

29. Simplify the expression $5(2(x + 1) - 3(x - 2)) - 2(x - 2(1 + (x - 3)))$.

30. Simplify the expression $3[2(x + 2) - (3 - x)] + 2[(4 - x) - 2(1 + x)]$.