School786
AN ONLINE SCHOOL

Name: Due Date: Teacher: Parent Sign:

2. 7y - 2y

3. 4a + 3b + 2a

4. 6m + 0m + 2m

5. x + 2x + 3x

6. 5p - 3p + p

7. 9t - 4t + 2t

8. 2x + 3y + 4x + 5y

9. 3x + 7 - 2x - 4

10. 8a - 3b + 2a - b

11. 6 + 2x + 4 - x

12. 12c - 5c + c

13. Word problem: The perimeter of a rectangle is 2l + 2w. If one side is 3x + 2 and the other is x - 1, write and simplify an expression for the perimeter.

14. 7k + 0 + k - 2k

15. 4x + 3y - 2x + y

Sub-topic B – Combining like terms with negative coefficients & distribution (16-35)

16. -(3x + 2) + 5x

17. -2(4y - 3) + y

18. 3(2a + 4) - 5a

19. -(x - 5) + 2(x + 3)

20. 5 - (2x + 3) + 4x

21. -3x - 2x + 7

22. -4(m + 2) + 3m - 1

23. 2(x - 3) - (x + 4)

24. -(2p - 5p) + 3p

25. -(4q + 6) - 2q + 3

26. -0.5x + 2x - 1.5x

27. -(3x + 4y) + 2(x + y)

28. -2(3t - 4) + 6 - t

29. 4(2a - 1) - (a + 3)

30. -(-3x + 5) + 2x

31. -5 + 3x - (2x - 4)

32. $7 - [3x - (2x + 1)]$

33. $-(\frac{1}{2})x + (\frac{3}{2})x - x$

34. $-3(a - b) + 2a + b$

35. $-(5x - 2y) + (3x + 4y) - x$

Sub-topic C – Combining like terms with negative coefficients (36-50)

36. $-7x + 9x - 2x$

37. $-4y - 3y + 10$

38. $6 - 2z - 4 + z$

39. $-2a - 3a + 5a$

40. $-x + 2x - 3x + 4x$

41. $-3m + 2(m - 4)$

42. $-5p + 7 - (2p + 3)$

43. $-(4x) - (-2x) + 3x$

44. $-6t + 2 - (-3t - 5)$

45. $-\frac{1}{2} a - \frac{1}{2} a + a$

46. $-0.2x + 0.8x - x$

47. $-9b + 2(-b + 3) + 5$

48. $-(2x + 3y) + 4x - 2y + 6$

49. Word problem: A gardener plants $(2x + 3)$ new flowers in spring and $(-x + 4)$ in summer. Write and simplify an expression for the total number of new flowers.

50. Word problem: Sophie had $4x$ books, lent away $(2x + 5)$, and later received $x - 3$ more. Write and simplify an expression for how many books she has now.