



Math Worksheet for 6th Grade

Combining like terms

Name: _____

Due Date: _____

Teacher: _____

Parent Sign: _____

2. True or False: $3x$ and x are like terms.
3. In the expression $4x + 3y + 7x - y$, which terms are like terms?
4. Simplify: $3x + 5x$
5. Simplify: $7a - 2a$
6. Are $2m$ and $-2m$ like terms? Explain yes or no.
7. Are 8 and $8x$ like terms? Explain yes or no.
8. Simplify: $6y + 0y$
9. Simplify: $x + 4x$
10. In $4x + 5 + 3$, which terms are like terms?
11. What is the coefficient of x in $9x$?
12. Simplify: $-3x + 5x$
13. Simplify: $2a + 3b + 4a + b$
14. Simplify: $0x + 7$
15. True or False: $1x$ is the same as x .

Combining like terms (16-40)

16. Simplify: $3x + 4x - 2x$
17. Simplify: $5y - 3y + 2y$
18. Simplify: $7m - 2n + 3m + 5n$
19. Simplify: $10p - 4p + 2$
20. Simplify: $4x + 3 - 2x + 7$
21. Simplify: $-x + 5x$
22. Simplify: $6a - 2a + 3$
23. Simplify: $8z + 0 + 2z - z$
24. Simplify: $3x + 4y - x + y$
25. Simplify: $2a + 3 + 4a - 5$
26. Simplify: $-2b + 7b - 3b$
27. Simplify: $12c - 4c + c$
28. Simplify: $5 + 3x - 2 + 4x$
29. Simplify: $9m - 9 + m + 4$
30. Simplify: $2x + 3y + 4x - y + 5$
31. Simplify: $0 + 0x + 7y$
32. Simplify: $3a - 4 + 2 - a$



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33. Simplify: $4p + 6q - 2p - 3q + p$

34. Simplify: $-5x + 2x + 8x$

35. Simplify: $x + x + x + 2$

36. Simplify: $7a - (3a + 2) + 4a$

37. Simplify: $2(3x) + x$

38. Simplify: $3(x + 2x)$

39. Simplify: $4y - 2(y) + 3y$

40. Simplify: $10x - (4x + 3) + 2$

Combining like terms – word-problem examples (41-50)

41. Sarah had x apples, bought 3 more, then a friend gave her $2x$ more apples. Write and simplify the expression for the total apples.

42. John ran x kilometers on Monday, $2x$ kilometers on Tuesday, and 3 kilometers on Wednesday. Write and simplify the expression for his total distance.

43. Maria has 5 boxes each with x crayons. She gives away 2 boxes. How many crayons are left? Write and simplify.

44. A teacher collects $3x$ math worksheets and $4x$ science worksheets. How many worksheets in total? Simplify.

45. A rectangle has length $3m + 2$ and width $m + 1$. Write and simplify an expression for the perimeter.

46. A fruit stand has 7 boxes with y apples and 3 boxes with $2y$ apples. How many apples total? Simplify.

47. Sam has $3x$ apples and 4 oranges. He gives away x apples and 2 oranges. Write and simplify an expression for how many fruits remain.

48. A student scored x points on test 1, $x + 5$ on test 2, and $2x$ on test 3. What is the total score? Simplify.

49. The math club has $3m$ middle-school members and $4m$ elementary members, plus 2 adult advisors. Write and simplify an expression for the total number of club members.

50. A bag contains x red marbles, $2x$ blue marbles, and 5 more red marbles. How many red marbles are there? What is the total number of marbles? Simplify both answers.