Lesson 2 Homework Practice

Simplifying Algebraic Expressions

Identify the terms, like terms, coefficients, and constants in each expression.

1. $6y - 4 + y$

2. $8u + 2u - 3u$

3. $-12h + 5g + 8 - g$

4. $-21w + 5 + 3w - 1$

5. $8a + b - 3a + 4b$

6. $f - 3fg + 2g - fg + 1$

Simplify each expression.

7. $-8q + 6 + 5q - 3$

8. $h + 5h - 3 - 6h$

9. $2a - 5(a + 1)$

10. $b - 2(b - 2)$

11. $9 - t - 3(t + 3)$

12. $-8 + 5(g + 2) - 2$

13. $12m + 9 - 2m - 16$

14. $4(y - 3) + 9 - 3y$

15. $r + r + r + r + r$

16. $-11x + 4 + 8x - 4 + 3x$

17. $-14y + 12(x + y) - 12x$

18. $19g - 4h + 4 - 20(g - 1)$

19. $-5(c + d) - 4d + 5c - d$

20. $(8 - b)(-3) + 6b + 12 - 10b$

21. $-p + q + 2(p + q) - p - q$

22. $-55n + 28n + 21n + 7n - n$

23. $-12z + 4(z - 9) + 30 + z$

For each situation, write an expression in simplest form that represents the total amount.

24. You bought 3 pieces of chicken that cost x dollars each, a salad for $3, and a drink for $1.

25. Sal has scored g goals this season. Ben has scored four times as many goals as Sal. Chun has scored three fewer goals than Ben.

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