

Example 3
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Simplify each expression.

11. $12a + a$

12. $5a + 8a$

13. $-2b + b$

14. $7w - w$

15. $2r - 5 + 6r$

16. $4a - 3 + 5a$

Example 4
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Simplify each expression. Justify each step.

17. $2g + 3(g + 5)$

18. $-3z + 8(z + y)$

19. $4m + 3d - 5m + d$

20. $t - 3 + 2(t + 2)$

Skills

Simplify each expression.

21. $8z + 8y + 3z$

22. $t - 3t + 2t + 4$

23. $18 + 6(9k - 13)$

24. $r + 3 - 6r + r$

25. $-4(a + 3) - a$

26. $4m + 3 - 5m + m$

27. $3(g + 5) + 2g$

28. $2b - 6 + 3b - b$

29. $-5 + 3x + 3 + 2$

30. $4(w + 2x) + 9(-4w)$

31. $3(2n + 4) - 2(3n + 6)$

32. **Pet Supplies** Juan bought supplies for his new gecko. He bought four plants for p dollars each. He also bought a 10-gallon tank for \$10 and a water dish for \$3. Write an expression Juan could use to find the total cost of the supplies.