

Combine the Variables

Multiply the number and variable inside each parentheses by the number in front of the parentheses. Then combine the like variables and solve the equation.



A. $2b + 3(b - 7) = 44$ $2v + 3(8 - v) = -16$

B. $4(2y + 9) + 7y = -24$ $5(3n) + 14 + 6n = 21$ $5(n + 3) + 5 = -25$

C. $-8a + 6(a + 7) = 1$ $10z + 5(z - 12) = 0$ $7y + 7(y + 3) = -21$

D. $-3x + 6(x + 4) = 9$ $4z + 9 + 3(2z) = 129$ $6(3a - 2) + 5a = 57$

E. $5x + 3(x + 4) = 76$ $-3(x + 4) - 21x = 72$ $-4(3 + f) + 6f = -24$