Why Do Girls Like Guys Who Wear Shirts With Eight Buttons?

Solve each equation below and find your solution at the bottom of the page.
Write the letter of that equation above the solution.

(E) $4(5n - 7) = 10n + 2$

(N) $9(x + 3) = 4x - 3$

(A) $2(12 - 8x) = x - 11x$

(H) $3t + 8(2t - 6) = 2 + 14t$

(E) $2v + 18 = 16 - 4(v + 7)$

(I) $4x - (9 - 3x) = 8x - 1$

(T) $12(3 + y) = 5(2y + 8)$

(A) $-7(1 - 4m) = 13(2m - 3)$

(Y) $9(11 - k) = 3(3k - 9)$

(S) $4x + 5(7x - 3) = 9(x - 5)$

(T) $2(6d + 3) = 18 - 3(16 - 3d)$

(F) $8(4u - 1) - 12u = 11(2u - 6)$

(C) $-5 - (15y - 1) = 2(7y - 16) - y$

2	10	3	7	9	29	4	−1	1	−8	−6	−16	−12	−5

OBJECTIVE 4–c: To solve equations containing parentheses and having the variable in both sides.

CRYPTIC QUIZ

1. Why did the little girl paint spots on the staircase?

Answer: ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___

14 7 4 3 11 14 11 14 15 4 1 9 2 15 15 4 12

2. What do you call a thirty-six-inch two-by-four?

Answer: ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___

11 10 6 13 8 4 12 5 11 12 9

Solve each equation for y in terms of x. Find your answer below and notice the letter next to it. Each time the exercise number appears in the code, write this letter above it.

(1) $x + y = 5$

(2) $-3x + y = -2$

(3) $x - y = 7$

(4) $-4x - y = 1$

(5) $3x - y = -10$

Answers:

(E) $y = -4x - 1$

(F) $y = 3x - 1$

(P) $y = -x + 5$

(W) $y = x - 7$

(Y) $y = 3x + 10$

(O) $y = 3x - 2$

(6) $-x + 2y = 6$

(7) $x - 2y = 2$

(8) $-2x + 3y = -12$

(9) $5x + 2y = 1$

(10) $4x - 3y = -2$

Answers:

(D) $y = -\frac{5}{2}x + \frac{1}{2}$

(U) $y = \frac{1}{2}x + 3$

(L) $y = \frac{4}{3}x + \frac{2}{3}$

(G) $y = \frac{3}{4}x - 4$

(H) $y = \frac{1}{2}x - 1$

(B) $y = \frac{2}{3}x - 4$

(11) $3x + 2y - 6 = 0$

(12) $x - 4y + 2 = 0$

(13) $-2x - 6y = 0$

(14) $8y - 3x = -6$

(15) $7x = 2y$

Answers:

(N) $y = \frac{4}{3}x + \frac{1}{4}$

(S) $y = \frac{3}{8}x - \frac{3}{4}$

(R) $y = \frac{1}{4}x + \frac{1}{2}$

(A) $y = -\frac{3}{2}x + 3$

(T) $y = \frac{7}{2}x$

(M) $y = -\frac{1}{3}x$

