Solving Equations with Variables on Both Sides

3.4 Practice 4

Solve each equation. Then check your solution.

1. $-3(x + 5) = 3(x - 1)$

2. $2(7 + 3t) = -t$

3. $3(a + 1) - 5 = 3a - 2$

4. $75 - 9g = 5(-4 + 2g)$

5. $5(f + 2) = 2(3 - f)$

6. $4(p + 3) = 36$

7. $18 = 3(2c + 2)$

8. $3(d - 8) = 3d$

9. $5(p + 3) + 9 = 3(p - 2) + 6$

10. $4(b - 2) = 2(5 - b)$

11. $1.2(x - 2) = 2 - x$

12. $2(4 + 2k) + 10 = k$

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13. $2(w - 1) + 4 = 4(w + 1)$

14. $6(n - 1) = 2(2n + 4)$

15. $2[2 + 3(y - 1)] = 22$

16. $-4(r + 2) = 4(2 - 4r)$

17. $-3(x - 8) = 24$

18. $6(2 - 2y) = 5(2y - 2)$