

3-5 Practice**Solving Equations with the Variable on Each Side****LOOK**

Solve each equation. Then check your solution.

1. $5x - 3 = 13 - 3x$

2. $-4c - 11 = 4c + 21$

3. $1 \div s = 6 - 6s$

4. $14 + 5n = -4n + 17$

5. $\frac{1}{2}h - 3 = 2 - \frac{3}{4}h$

6. $\frac{1}{2}(6 - z) = z$

7. $3(-2 - 3x) = -9x - 4$

8. $4(4 - w) = 3(2w + 2)$

9. $9(4b - 1) = 2(9b + 3)$

10. $3(6 + 5y) = 2(-5 + 4y)$

11. $-5x - 10 = 2 - (x + 4)$

12. $6 + 2(3j - 2) = 4(1 + j)$

13. $\frac{5}{2}t - t = 3 + \frac{3}{2}t$

14. $1.4f + 1.1 = 8.3 - f$

15. $\frac{2}{3}x - \frac{1}{6} = \frac{1}{2}x + \frac{5}{6}$

16. $2 - \frac{3}{4}z = \frac{1}{8}z + 9$

17. $\frac{1}{2}(3g - 2) = \frac{g}{6}$

18. $\frac{1}{3}(c + 1) = \frac{1}{6}(3c - 5)$

3-8 Skills Practice**Solving Equations and Formulas**

Solve each equation or formula for the variable specified.

19. $4m - n = m$, for m

20. $7f + g = 5$, for f

21. $-5c + d = 2c$, for c

22. $rt - 2n = y$, for t

23. $m + 3n = 1$, for n

24. $kn + 4f = 9v$, for n

25. $ax - c = b$, for x

26. $\frac{x - c}{2} = d$, for x

27. $bc + 3g = 2k$, for c

28. $\frac{p + 9}{5} = q$, for p

* ALL WORK
ON
LOOSELEAF!