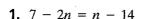
Practice 3-3

Solve each equation. Check your answer. If appropriate, write identity or no solution.



4.
$$6t = 3(t+4) - t$$

7.
$$3(n-1) = 5n + 3 - 2n$$

10.
$$8(2f-3) = 4(4f-8)$$

13.
$$4(b-1) = -4 + 4b$$

16.
$$\frac{2}{3}a - \frac{3}{4} = \frac{3}{4}a$$

19.
$$4.3v - 6 = 8 + 2.3v$$

22.
$$6y + 9 = 3(2y + 3)$$

25.
$$6 - 3d = 5(2 - d)$$

28.
$$3(2f+4) = 2(3f-6)$$
 29. $\frac{3}{4}t - \frac{5}{6} = \frac{2}{3}t$

31.
$$\frac{1}{2}d - \frac{3}{4} = \frac{3}{5}d$$

2.
$$2(4-2r) = -2(r+5)$$

5.
$$8z - 7 = 3z - 7 + 5z$$

8.
$$2(6-4d)=25-9d$$

11.
$$6k - 25 = 7 - 2k$$

14.
$$\frac{1}{4}x + \frac{1}{2} = \frac{1}{4}x - \frac{1}{2}$$

17.
$$2s - 12 + 2s = 4s - 12$$

20.
$$4b - 1 = -4 + 4b + 3$$

23.
$$4g + 7 = 5g - 1 - g$$

26.
$$6.1h = 9.3 - 3.2h$$

29.
$$\frac{3}{4}t - \frac{5}{6} = \frac{2}{3}t$$

32.
$$5(r+3) = 2r+6$$

3.
$$3d + 8 = 2d - 7$$

6.
$$7x - 8 = 3x + 12$$

9.
$$4s - 12 = -5s + 51$$

12.
$$3\nu - 9 = 7 + 2\nu - \nu$$

15.
$$6 - 4d = 16 - 9d$$

18.
$$3.6y = 5.4 + 3.3y$$

21.
$$\frac{2}{3}(6x + 3) = 4x + 2$$

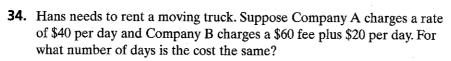
24.
$$2(n+2) = 5n-5$$

27.
$$-4.4s - 2 = -5.5s - 4.2$$

30.
$$3\nu + 8 = 8 + 2\nu + \nu$$

33.
$$8 - 3(p - 4) = 2p$$

Write an equation to model each situation. Then solve. Check your answer.

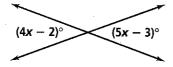


35. Suppose a video store charges nonmembers \$4 to rent each video. A store membership costs \$21 and members pay only \$2.50 to rent each video. For what number of videos is the cost the same?

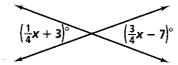
36. Suppose your club is selling candles to raise money. It costs \$100 to rent a booth from which to sell the candles. If the candles cost your club \$1 each and are sold for \$5 each, how many candles must be sold to equal your expenses?

Find the value of x.

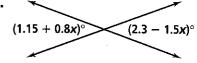
37.



38.



39.



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