

#Jenny



Finally I get this ebook, thanks for all these I can get now!

#Rio



Cool! I'am really happy

#Markus Jensen



I did not think that this would work, my best friend showed me this website, and it does! I get my most wanted eBook

#Hun Tsu



wtf this great ebook for free?!

#Che Salsa



My friends are so mad that they do not know how I have all the high quality ebook which they do not!

#Diego Butler



so many fake sites. this is the first one which worked! Many thanks

Name _____ Class _____ Date _____

Practice 3-3 Equations With Variables on Both Sides

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

- | | | |
|---|---|------------------------------------|
| 1. $7 - 2a = a - 14$ | 2. $2(4 - 2a) = -2(a + 5)$ | 3. $3f + 8 = 24 - 7$ |
| 4. $4r = 3(4 + 4) + r$ | 5. $8r - 7 = 3r - 7 + 3r$ | 6. $7s - 8 = 3s + 12$ |
| 7. $5(6 - 1) = 5a + 3 = 2a$ | 8. $2(6 + 4b) = 25 - 9b$ | 9. $4t - 12 = -5t + 31$ |
| 10. $5(2y - 3) = 6(4 - 8)$ | 11. $4d - 25 = 7 - 2d$ | 12. $3v - 9 = 7 + 2v + v$ |
| 13. $4(8 - 1) = -4 + 4b$ | 14. $\frac{1}{2} + \frac{1}{2} = \frac{1}{2} - \frac{1}{2}$ | 15. $6 - 4z = 16 - 3z$ |
| 16. $\frac{3}{4} + \frac{1}{2} = \frac{3}{4}$ | 17. $2 = 12 + 2 = 4t - 12$ | 18. $3(6 + 3) = 4t + 2$ |
| 19. $4(3r - 6) = 8 + 2(3r)$ | 20. $4b - 1 = -4 + 4b + 3$ | 21. $\frac{1}{2}(6r + 3) = 4t + 2$ |
| 22. $6r + 9 = 3(2r + 3)$ | 23. $4c + 7 = 5c - 1 = c$ | 24. $5(6 + 2) = 5a - 5$ |
| 25. $6 - 3d = 5(2 - d)$ | 26. $6(3b - 9) = 3(2b)$ | 27. $-4(4b - 2) = -5(5b - 4)$ |
| 28. $5(2y - 4) = 2(3y - 6)$ | 29. $\frac{3}{4} = \frac{3}{4} = \frac{3}{4}$ | 30. $3s = 8 - 8 + 2s + v$ |
| 31. $\frac{1}{2} = \frac{1}{2} = \frac{1}{2}$ | 32. $5(2 - 3) = 2p + 6$ | 33. $8 = 3(2 - 4) = 2q$ |

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

34. Han needs to rent a motor truck. Suppose Company A charges a rate of \$40 per day, and Company B charges a \$60 fee plus \$20 per day. For what number of days is this cost the same?
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 \$300 to rent a booth from which to sell the candles. If the candles cost your club \$5 each and are sold for \$10 each, how many candles must be sold to equal your expenses?

- Find the value of x .
37. $10x = 0$ $10x = 0$
38. $\frac{1}{2}x + 8 = \frac{1}{2}x + 8$
39. $0.1x + 4.84 = 0.1 - 3.84x$

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