

Practice 16

For use with Section 2-8

Solve.

1. $4a + 3a = -35$
 2. $2n - 17 = 15$
 3. $-5c + 39 = -6$
 4. $\frac{d}{2} + 6 = 8$
 5. $5 + 3x = -19$
 6. $\frac{y}{4} + 7 = 9$
 7. $\frac{k}{3} - 5 = 4$
 8. $-2n + 17 = -5$
 9. $3a - 7a = 52$
 10. $5p - 63 = 12$
 11. $6q + 13 = -20$
 12. $-9 = \frac{m}{6} + 2$
 13. $1.2w - 5 = 10$
 14. $5.5v - 3.3v = 7.7$
 15. $8 - \frac{x}{4} = 2.5$
 16. $3.2z + 4 = -0.8$
 17. $-3.6t + 7.6 = 0.4$
 18. $0.06x - 5 = 16$
 19. $5.3y + 6.5y = 53.1$
 20. $\frac{m}{2} - 3.4 = -6.5$
 21. $-\frac{k}{5} + 0.8 = 1.2$
 22. $\frac{x}{1.5} - \frac{x}{3} = 7$
 23. $5.2b + 15 = 8.5$
 24. $12a - 51 = -53$
 25. $-6.4k + 3.5 = -7.7$
 26. $\frac{c}{1.2} - 6.5 = 7$
 27. $8 - \frac{m}{4.5} = 2.6$
28. Felipe bought two compact discs. He gave the cashier at the store \$30 and got \$2.10 change. One disc cost \$11.95. How much did the other disc cost? Let c = the cost of the other disc.
29. Mike Wei's construction company has a project that Mike figures will take his workers 182 hours to complete. His workers work 7 hours a day. How many working days will it take to complete the project? Let k = the number of working days to complete the project.
30. Sumi bought the same number of bran muffins and bagels at the bakery. Bran muffins cost \$.35 each, and bagels cost \$.45 each. Sumi spent \$5.60 altogether. How many of each item did she buy? Let n = the number of muffins or the number of bagels she bought.
31. Anna Gallagher and two friends want to rent an apartment. The three of them will split the rent evenly. Anna figures that food will cost her \$225 each month, and she can afford to spend a total of \$400 on food and her share of the rent. What should be the rent on an apartment in order for it to fit Anna's budget? Let r = the rent on the apartment.