LESSON 7.4

NAME _____ DATE _____

Practice A

For use with pages 418–424

Choose the method to solve the linear system. Explain your choice.

1. $2x - 3y = 24$
$2x + y = 8$

2. $x - y = 4$
$x + y = 8$

3. $y - 3x = 7$
$y + 2x = 2$

4. $2x + y = 5$
$x - y = 1$

5. $3x - y = 9$
$x + 2y = 10$

6. $x + y = 50$
$3x - 2y = 0$

Choose a method to solve the linear system. Explain your choice, and then solve the system.

7. $6x + 9y = -6$
$x + y = 1$

8. $x + 4y = 1$
$2x + 7y = 3$

9. $3x + 4y = 4$
$y = x - 6$

10. $4x - 2y = -6$
$-3x + 2y = -8$

11. $3x + 5y = -13$
$3x + y = -5$

12. $2x + 3y = -12$
$2x - 3y = 0$

Solve the linear system using the method of your choice.

13. $4x + 3y = 14$
$-4x + 5y = 2$

14. $3x + 2y = 13$
$2x + y = 7$

15. $x - y = 2$
$3x + y = 10$

16. $x + y = 1$
$4x - 3y = 18$

17. $4x + 2y = 14$
$x = 1 + 2y$

18. $y = 4x - 6$
$3y = 7 - 3x$

Baseball Glove Sales **In Exercises 19 and 20, use the following information.**

A sporting goods store sells right-handed and left-handed baseball gloves. In one month, 12 gloves were sold for a total revenue of $561. Right-handed gloves cost $45 and left-handed gloves cost $52.

19. Let x represents the number of right-handed gloves sold and let y represent the number of left-handed gloves sold. Write a system of equations you could solve to find the number of each type of glove sold.

20. Solve the system.

23. ***Southern Cuisine*** Your family goes to a Southern-style restaurant for dinner. There are 6 people in your family. Some order the chicken dinner for $14 and some order the steak dinner for $17. If the total bill was $99 how many people ordered each dinner?

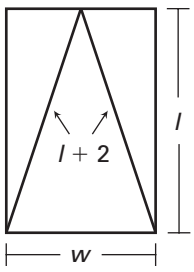
Cookout **In Exercises 21 and 22, use the following information.**

You are buying the meat for a cookout. You need to buy 8 packages of meat. A package of hotdogs costs $1.60 and a package of hamburgers costs $5. You spend a total of $23.

21. Let x represent the number of packages of hotdogs bought and let y represent the number of packages of hamburgers bought. Write a system of equations you could solve to find the number of packages of each type of meat bought.

22. Solve the system.

24. ***Dimensions of a Rectangle*** The perimeter of the rectangle is 20 inches. The perimeter of the inscribed triangle is 20 inches. Find the dimensions of the rectangle.



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