

**LESSON**  
**1.3 Practice**

Solve the system using the substitution method.

1.  $x + y = 4$   
 $2x - 3y = -2$

2.  $3x - y = 0$   
 $2x - y = -1$

3.  $5x - 3y = 1$   
 $x + 4y = -9$

4.  $2x - y = 10$   
 $x - 4y = 12$

5.  $7x + 5y = 1$   
 $-x - 3y = 9$

6.  $x - 2y = -7$   
 $4x + 3y = -6$

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

8.  $4x + 5y = 21$   
 $x + 2y = 4$

9.  $-3x + y = 3$   
 $5x - 3y = -4$

Solve the system using the elimination method.

10.  $-x + y = 1$   
 $x + y = 1$

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

12.  $5x + 3y = 6$   
 $-3x - 3y = 6$

13.  $3x - 4y = -5$   
 $6x + 4y = 14$

14.  $4x + 3y = 15$   
 $-4x + 3y = -3$

15.  $2x - 5y = 15$   
 $-2x + 10y = 10$

LESSON  
1.3Practice *continued*

Solve the system using any algebraic method.

16.  $2x + y = 9$   
 $x + y = 4$

17.  $x - 4y = 10$   
 $2x + 2y = -10$

18.  $x + y = 9$   
 $x - y = 1$

19.  $2x - 6y = 4$   
 $-3x + 6y = -12$

20.  $5x - 3y = 0$   
 $-5x + 12y = 0$

21.  $x + y = 3$   
 $5x + 3y = 1$

22.  $4x - 7y = 4$   
 $-2x + 9y = -6$

23.  $6x + 5y = 10$   
 $-6x - 2y = -6$

24.  $3x + 4y = 3$   
 $-4x + 3y = 2$

25.  $14x - 3y = 12$   
 $-7x + 2y = -4$

26.  $6x + y = -2$   
 $-2x + 4y = 5$

27.  $3x + 6y = 17$   
 $-6x - 3y = -13$

28. **Class Trip** The class president is organizing a class trip to a nearby amusement park for 314 students. The regular price is \$35 per ticket. However, some students can receive a discount due to volunteer community service work that they took part in on Saturdays. The students who are eligible for the discount will pay \$21.50. The total ticket cost for the class trip will be \$10,072. How many students are eligible for the discount?

29. **Pizza Party** You want to have a pizza party this weekend for some friends and family. You have \$48 budgeted for the pizza and plan on having 56 pieces available. A large pizza has 16 pieces and costs \$14. A medium pizza has 12 pieces and costs \$10. How many large and medium pizzas do you need to buy?