LESSON 3.2

NAME _____ DATE _____

Practice C

For use with pages 136–141

Use the <u>Elimination / Linear Combination</u> method to solve the linear system.

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

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

3. $2x + 4y = 2$
$-2x + 5y = -11$

4. $2x - 3y = -16$
$x + 3y = 10$

5. $x + 3y = -3$
$x - 4y = 11$

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

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

8. $2x - 3y = 1$
$-x - 3y = -5$

9. $$\begin{aligned} 5x + 2y &= 5 \\ 3x + y &= 2 \end{aligned}$$

10. $$\begin{aligned} -x + 2y &= 2 \\ 3x + 4y &= 24 \end{aligned}$$

11. $$\begin{aligned} 2x - y &= 1 \\ 2x + 5y &= -5 \end{aligned}$$

12. $$\begin{aligned} 4x - 5y &= 6 \\ 2x + 3y &= -8 \end{aligned}$$

13. $$\begin{aligned} -5x + 3y &= 15 \\ 6x - 2y &= -18 \end{aligned}$$

14. $$\begin{aligned} 2x + 3y &= 5 \\ 4x + 6y &= 10 \end{aligned}$$

15. **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?