

## 8-2 Solving Systems by Combining (Elimination)

Name: \_\_\_\_\_

Time> Start: \_\_\_\_\_ Finish: \_\_\_\_\_ Total Time = \_\_\_\_\_

Solve each system of equations.

\_\_\_\_\_ 1. 
$$\begin{cases} 2x + y = 5 \\ x - y = 1 \end{cases}$$

\_\_\_\_\_ 2. 
$$\begin{cases} 3x + 2y = 17 \\ x - y = 4 \end{cases}$$

\_\_\_\_\_ 3. 
$$\begin{cases} 2x + 3y = 5 \\ 4x - 2y = 2 \end{cases}$$

\_\_\_\_\_ 4. 
$$\begin{cases} 3x + 2y = 17 \\ 2x + 5y = 15 \end{cases}$$

\_\_\_\_\_ 5. 
$$\begin{cases} 4x + 4y = 8 \\ 5x - 3y = 10 \end{cases}$$

\_\_\_\_\_ 6. 
$$\begin{cases} 3x + 2y = 11 \\ 3x - 2y = 7 \end{cases}$$

\_\_\_\_\_ 7. For \$2.10, you can get 3 eggs and a cup of coffee.  
For \$2.60, you can get 4 eggs and a cup of coffee.  
How much are you paying for the coffee?

\_\_\_\_\_ 8. I plan on taking a vacation on a Cruise Ship this winter.  
A 4 day cruise with 10 included meals cost \$600.  
A 5 day cruise with 12 meals cost \$745.  
How much are they charging me for each day on the ship?