

4-2 Solving Systems by Combining

Name _____

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?

