Name:	Date:
Topic:	Class:

Main Ideas/Questions	Notes/Examples
Elimination Method	
Steps to Solve	• **Step 1:** Make sure the equations are lined up! • **Step 2:** _____ or _____ the equations to eliminate the variable with common _____. • **Step 3:** _____ for the remaining variable. • **Step 4:** _____ your answer into either original equation and _____ for the other variable.
Examples	**Directions:** Solve each system by elimination.

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

2. $\begin{cases} x + 4y = 13 \\ x - y = 3 \end{cases}$

3. $\begin{cases} 3x - 10y = 14 \\ 3x - 9y = 15 \end{cases}$

4. $\begin{cases} 4x + 2y = 6 \\ -2x + 2y = 18 \end{cases}$

© Gina Wilson (All Things Algebra®, LLC), 2012-2016

5. $\begin{cases} 4x + 9y = 5 \\ -4x + 7y = 11 \end{cases}$

6. $\begin{cases} 10x - 3y = 18 \\ -2x + 3y = 6 \end{cases}$

7. $\begin{cases} x - y = 10 \\ 3x + y = 18 \end{cases}$

8. $\begin{cases} x = 3y + 11 \\ 2x - 3y = 16 \end{cases}$

9. $\begin{cases} 4y = 2x - 8 \\ 5x - 4y = 20 \end{cases}$

10. $\begin{cases} 3x - 4y = -10 \\ 3x - 4y = -13 \end{cases}$

11. $\begin{cases} 2x + y = -10 \\ -y = 2x + 10 \end{cases}$

© Gina Wilson (All Things Algebra®, LLC), 2012-2016