1. Which equation is the result of adding these two equations?

- $2x + 3y = -5$
- $7x - 3y = 9$

[A] $5x = 4$  
[B] $9x = 4$  
[C] $-5x = -14$  
[D] $9x = 14$

2. Find the point of intersection of the two lines:

- $2x - y = 13$
- $4x + y = 17$

[A] $(-3, 5)$  
[B] $(-1, 6)$  
[C] $(5, -3)$  
[D] $(6, -1)$

3. Find the point of intersection of the two lines:

- $3x - y = 13$
- $2x + y = -3$

[A] $(3, -4)$  
[B] $(2, -7)$  
[C] $(-7, 2)$  
[D] $(-4, 3)$

4. Find the point of intersection of the two lines:

- $4x - y = -26$
- $3x + y = -30$

[A] $(-2, -7)$  
[B] $(-6, -8)$  
[C] $(-7, -2)$  
[D] $(-8, -6)$

5. Solve the system using the method of elimination:

- $4x - 5y = -9$
- $3x + 5y = 37$

[A] $\left(0, \frac{9}{5}\right)$  
[B] $(4, 5)$  
[C] $\left(-4, -\frac{16}{5}\right)$  
[D] no solution

6. Solve the system using the method of elimination:

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

[A] $\left(0, -\frac{3}{2}\right)$  
[B] $(-1, -1)$  
[C] $\left(1, -\frac{1}{2}\right)$  
[D] no solution

7. Solve the system using the method of elimination:

- $2x - y = 3$
- $3x + y = 12$

[A] $(3, 3)$  
[B] $(-3, -6)$  
[C] $(0, -3)$  
[D] no solution

8. Solve: $4x + 4y = 40$

- $x - 4y = -15$

[A] $(0, 10)$  
[B] $(5, 5)$  
[C] no solution  
[D] $(60, 5)$

NAME: _______________________________
9. Compare the quantities in Column A and Column B.

<table>
<thead>
<tr>
<th>Column A</th>
<th>Column B</th>
</tr>
</thead>
<tbody>
<tr>
<td>the value of $x$ in the system</td>
<td>the value of $y$ in the system</td>
</tr>
<tr>
<td>$4x - y = 11$</td>
<td>$x - 5y = -8$</td>
</tr>
<tr>
<td>$3x + y = 3$</td>
<td>$-x + 4y = 5$</td>
</tr>
</tbody>
</table>

[A] The quantity in Column A is greater.  
[B] The quantity in Column B is greater.  
[C] The quantities are equal.  
[D] The relationship cannot be determined from the information given.

Solve:

10. $2x - 5y = -21$
    $3x + 5y = 6$
    [A] $(-3, 3)$  
    [B] $(-27, 3)$  
    [C] $\left(0, \frac{21}{5}\right)$  
    [D] no solution

11. $4x - 2y = -12$
    $3x + 2y = -2$
    [A] $(-20, 2)$  
    [B] no solution  
    [C] $(0, 6)$  
    [D] $(–2, 2)$

12. \[
\begin{align*}
4x + 2y &= 12 \\
x - 2y &= 13
\end{align*}
\]

13. \[
\begin{align*}
2x - 5y &= -9 \\
3x + 5y &= 24
\end{align*}
\]

14. \[
\begin{align*}
4x - 4y &= -4 \\
x + 4y &= 4
\end{align*}
\]

15. Find a value of $p$ that will result in one solution for this system. Then find the solution.

$3x + y = -2$

$px - y = -12$
Answers may vary. Sample: Let
\[ p = 4, \; x = -2, \; y = 4. \]