

Solving Systems of Equations

Name _____



Find an (x,y) value that makes both equations true.

Warning! There are **three** tricky ones!

If both equations represent exactly the same line,
then ALL real numbered ordered pairs will work.

If the equations represent two parallel lines,
NO real numbers will work since the lines will not intersect.

The matching column activity at <http://www.quia.com/cm/16546.html> will help you to determine if your answers are correct. Please show all work on this worksheet.

<p>1. $y = 5x - 11$ $y = -2x + 10$</p>	<p>2. $7x - 3y = -24$ $3x - 7y = -16$</p>
<p>3. $y = -3x + 6$ $2x - 3y = 4$</p>	<p>4. $y = x - 4$ $x + 2y = 1$</p>

5. $4x - 5y = -10$
 $4x - 5y = -5$

6. $3y = 4x - 3$
 $8x - 6y = 6$

7. $x = 3y - 6$
 $4x - y = -2$

8. $y = 3x + 1$
 $6x - 2y = 8$

9. $y - 3 = 2x - 8$
 $x + y = 7$

10. $y = 5x - 10$
 $y = 3x - 6$