



Common Core Mathematics Practice for Grade 8

CCSS.Math.Content.8.EE.C.8.b - Worksheet #33322

Name: _____

Standard: **CCSS.Math.Content.8.EE.C.8.b**

Description: Solve systems of two linear equations in two variables algebraically, and estimate solutions by graphing the equations. Solve simple cases by inspection. For example, $3x + 2y = 5$ and $3x + 2y = 6$ have no solution because $3x + 2y$ cannot simultaneously be 5 and 6.

Solve Set of Linear Equations Algebraically for Intersection:

<p>1. $2x - y = 12$ $5x - y = 39$</p>	<p>6. $4x - y = -17$ $4x + y = -15$</p>
<p>2. $x - y = -13$ $x + y = 5$</p>	<p>7. $2x - y = -15$ $3x + y = -15$</p>
<p>3. $3x - y = 10$ $5x + y = 38$</p>	<p>8. $5x + y = -2$ $y = -2$</p>
<p>4. $4x - y = 26$ $3x - y = 21$</p>	<p>9. $x + y = -2$ $y = 4$</p>
<p>5. $4x - y = 31$ $3x + y = 25$</p>	<p>10. $4x - y = 21$ $y = -9$</p>

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