



Common Core Mathematics Practice for Grade 8

CCSS.Math.Content.8.EE.C.8.b - Worksheet #33381

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. $3x + y = -3$ $5x - y = -21$</p>	<p>6. $x + y = -1$ $4x + y = -22$</p>
<p>2. $3x - y = -9$ $5x - y = -19$</p>	<p>7. $x - y = 4$ $3x - y = 22$</p>
<p>3. $x + y = 2$ $5x + y = -26$</p>	<p>8. $5x - y = 31$ $4x + y = 14$</p>
<p>4. $x + y = -1$ $5x + y = 15$</p>	<p>9. $5x + y = -51$ $3x + y = -33$</p>
<p>5. $4x + y = -11$ $x + y = -5$</p>	<p>10. $3x + y = 1$ $y = 7$</p>

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