



Common Core Mathematics Practice for Grade 8

CCSS.Math.Content.8.EE.C.8.b - Worksheet #33325

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. $x + y = -2$ $2x + y = -3$</p>	<p>6. $x - y = -17$ $4x + y = -23$</p>
<p>2. $3x + y = 21$ $y = -3$</p>	<p>7. $4x - y = -6$ $4x + y = 6$</p>
<p>3. $3x - y = -30$ $3x + y = -18$</p>	<p>8. $x - y = -1$ $2x - y = -6$</p>
<p>4. $x + y = 0$ $2x + y = 8$</p>	<p>9. $5x + y = 16$ $4x - y = 11$</p>
<p>5. $5x + y = -22$ $x - y = -8$</p>	<p>10. $3x - y = -16$ $4x - y = -24$</p>

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