



Common Core Mathematics Practice for Grade 8

CCSS.Math.Content.8.EE.C.8.b - Worksheet #33394

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. $5x - y = -18$ $x + y = -6$</p>	<p>6. $5x + y = -39$ $3x + y = -23$</p>
<p>2. $y = -2$ $x + y = -2$</p>	<p>7. $x + y = 0$ $5x - y = 42$</p>
<p>3. $y = -3$ $x + y = -3$</p>	<p>8. $x - y = -5$ $2x + y = -22$</p>
<p>4. $5x + y = 40$ $y = -5$</p>	<p>9. $3x - y = 9$ $3x + y = 9$</p>
<p>5. $3x + y = 12$ $x - y = 4$</p>	<p>10. $x - y = 11$ $x + y = 3$</p>

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