



Common Core Mathematics Practice for Grade 8

CCSS.Math.Content.8.EE.C.8.b - Worksheet #33344

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. $3x + y = 4$ $5x - y = 20$</p>	<p>6. $x + y = -8$ $5x + y = -32$</p>
<p>2. $3x - y = 9$ $4x - y = 13$</p>	<p>7. $x - y = -14$ $2x - y = -21$</p>
<p>3. $y = 0$ $4x - y = 28$</p>	<p>8. $x + y = 6$ $4x + y = 27$</p>
<p>4. $3x + y = -21$ $4x - y = -7$</p>	<p>9. $4x - y = 16$ $2x + y = 2$</p>
<p>5. $5x + y = 8$ $2x - y = -8$</p>	<p>10. $4x + y = -32$ $y = 4$</p>

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