



Common Core Mathematics Practice for Grade 8

CCSS.Math.Content.8.EE.C.8.b - Worksheet #33368

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. $5x - y = 45$ $5x + y = 45$</p> | <p>6. $4x + y = -33$ $2x - y = -15$</p> |
| <p>2. $2x + y = 13$ $2x - y = 15$</p> | <p>7. $4x - y = -33$ $x - y = -6$</p> |
| <p>3. $2x - y = 5$ $3x + y = 5$</p> | <p>8. $x - y = -8$ $y = 0$</p> |
| <p>4. $2x - y = 5$ $4x + y = 25$</p> | <p>9. $x + y = 4$ $5x - y = 2$</p> |
| <p>5. $4x + y = 17$ $y = -3$</p> | <p>10. $x - y = 0$ $y = -9$</p> |

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