



Common Core Mathematics Practice for Grade 8

CCSS.Math.Content.8.EE.C.8.b - Worksheet #33302

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:

| | |
|---|---|
| 1. $x - y = -6$ $2x + y = 3$ | 6. $5x - y = -18$ $2x - y = -3$ |
| 2. $y = -1$ $5x - y = 1$ | 7. $4x - y = -17$ $5x - y = -20$ |
| 3. $5x - y = -35$ $4x + y = -28$ | 8. $2x + y = 16$ $5x - y = 33$ |
| 4. $x + y = -7$ $4x - y = -38$ | 9. $2x + y = 10$ $5x + y = 16$ |
| 5. $x + y = -3$ $y = 5$ | 10. $x - y = 5$ $2x - y = 10$ |

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