



Common Core Mathematics Practice for Grade 8

CCSS.Math.Content.8.EE.C.8.b - Worksheet #33303

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. $2x + y = 8$ $5x + y = 17$ | 6. $x + y = -1$ $5x - y = 13$ |
| 2. $4x - y = 2$ $4x + y = -2$ | 7. $x + y = -7$ $5x - y = -5$ |
| 3. $3x - y = 22$ $2x + y = 23$ | 8. $y = -8$ $3x + y = 16$ |
| 4. $2x + y = 3$ $x + y = 3$ | 9. $2x - y = -3$ $5x + y = -39$ |
| 5. $3x - y = -18$ $x - y = -8$ | 10. $4x + y = 28$ $4x - y = 28$ |

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