



Common Core Mathematics Practice for Grade 8

CCSS.Math.Content.8.EE.C.8.b - Worksheet #33340

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. $x - y = 7$ $3x - y = 15$ | 6. $y = 4$ $3x + y = -5$ |
| 2. $3x + y = 5$ $4x + y = 9$ | 7. $x - y = 12$ $y = -4$ |
| 3. $4x - y = -31$ $x + y = -9$ | 8. $3x + y = 17$ $y = 2$ |
| 4. $4x - y = -33$ $5x - y = -42$ | 9. $3x + y = 31$ $2x - y = 9$ |
| 5. $x + y = 11$ $4x + y = 35$ | 10. $3x - y = 28$ $5x + y = 44$ |

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