



Common Core Mathematics Practice for Grade 8

CCSS.Math.Content.8.EE.C.8.b - Worksheet #33317

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. $4x - y = 43$ $x + y = 2$ | 6. $4x + y = 31$ $3x - y = 32$ |
| 2. $4x + y = 19$ $5x + y = 23$ | 7. $5x - y = 33$ $y = -8$ |
| 3. $y = -6$ $2x - y = -6$ | 8. $x + y = 11$ $4x - y = 24$ |
| 4. $y = -6$ $2x + y = -14$ | 9. $3x + y = 17$ $x - y = 11$ |
| 5. $y = -6$ $3x + y = -27$ | 10. $x - y = 10$ $4x + y = 30$ |

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