



Common Core Mathematics Practice for Grade 8

CCSS.Math.Content.8.EE.C.8.b - Worksheet #33388

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. $3x - y = 22$ $5x - y = 32$	6. $x - y = 1$ $2x + y = 23$
2. $y = -8$ $5x - y = 13$	7. $5x + y = 31$ $2x - y = 18$
3. $2x - y = -2$ $5x + y = 23$	8. $x + y = -11$ $4x + y = -38$
4. $5x - y = 48$ $3x - y = 32$	9. $2x - y = -12$ $3x + y = -23$
5. $4x + y = -28$ $x - y = -2$	10. $4x - y = 30$ $2x + y = 18$

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