



Common Core Mathematics Practice for Grade 8

CCSS.Math.Content.8.EE.C.8.b - Worksheet #33363

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. $2x + y = 7$ $3x + y = 9$	6. $3x + y = -31$ $2x + y = -23$
2. $2x - y = -7$ $4x - y = -7$	7. $3x + y = -7$ $5x + y = -17$
3. $x + y = -5$ $3x - y = -15$	8. $2x - y = -3$ $4x + y = -3$
4. $x + y = 6$ $y = 1$	9. $x - y = -1$ $2x - y = 5$
5. $x + y = -4$ $5x - y = 16$	10. $5x - y = 6$ $5x + y = 4$

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