



Common Core Mathematics Practice for Grade 8

CCSS.Math.Content.8.EE.C.8.b - Worksheet #33371

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. $3x - y = -5$ $2x + y = 0$	6. $5x - y = -45$ $3x + y = -19$
2. $2x - y = -6$ $3x + y = -4$	7. $3x + y = 17$ $5x - y = 31$
3. $2x + y = -2$ $3x - y = -18$	8. $x + y = 11$ $3x + y = 17$
4. $y = -5$ $3x - y = -19$	9. $2x - y = 4$ $2x + y = 12$
5. $x + y = -9$ $4x - y = -16$	10. $x - y = 3$ $3x - y = 1$

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