



Common Core Mathematics Practice for Grade 8

CCSS.Math.Content.8.EE.C.8.b - Worksheet #33359

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. $5x + y = 22$ $4x - y = 14$	6. $2x + y = 10$ $x + y = 4$
2. $2x + y = 2$ $4x - y = -2$	7. $2x + y = 5$ $3x + y = 4$
3. $x + y = -10$ $3x - y = -22$	8. $2x + y = 8$ $x + y = 7$
4. $y = 2$ $5x - y = 3$	9. $5x - y = -9$ $y = -6$
5. $x - y = 4$ $5x + y = -10$	10. $4x - y = 29$ $4x + y = 11$

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