



Common Core Mathematics Practice for Grade 8

CCSS.Math.Content.8.EE.C.8.b - Worksheet #33384

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. $2x - y = 18$ $4x + y = 12$	6. $3x + y = 22$ $5x + y = 38$
2. $x + y = -3$ $5x - y = -9$	7. $x - y = 8$ $4x - y = 8$
3. $5x - y = 40$ $y = 5$	8. $x - y = 5$ $5x - y = 33$
4. $3x - y = -18$ $5x - y = -34$	9. $x + y = -18$ $5x + y = -54$
5. $5x + y = 37$ $2x - y = 26$	10. $5x - y = -9$ $4x - y = -6$

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