



# Common Core Mathematics Practice for Grade 8

CCSS.Math.Content.8.EE.C.8.b - Worksheet #33389

**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:

<b>1.</b> $3x + y = 10$ $x - y = -6$	<b>6.</b> $y = 7$ $4x + y = 3$
<b>2.</b> $3x - y = 27$ $4x + y = 15$	<b>7.</b> $3x - y = -19$ $5x + y = -37$
<b>3.</b> $5x + y = -32$ $5x - y = -28$	<b>8.</b> $x - y = 3$ $5x + y = -33$
<b>4.</b> $3x + y = -1$ $x + y = 5$	<b>9.</b> $4x - y = -10$ $2x + y = -14$
<b>5.</b> $3x - y = 10$ $5x + y = 6$	<b>10.</b> $y = 9$ $2x + y = 27$

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