



# Common Core Mathematics Practice for Grade 8

CCSS.Math.Content.8.EE.C.8.b - Worksheet #33348

**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> $2x + y = -6$ $3x - y = -14$	<b>6.</b> $y = -2$ $5x - y = -23$
<b>2.</b> $x + y = -11$ $x - y = 7$	<b>7.</b> $y = -6$ $5x + y = -21$
<b>3.</b> $y = 2$ $2x + y = 16$	<b>8.</b> $5x + y = -21$ $y = 9$
<b>4.</b> $3x + y = 0$ $y = -9$	<b>9.</b> $2x + y = 0$ $5x - y = 14$
<b>5.</b> $2x - y = -24$ $5x + y = -39$	<b>10.</b> $x - y = -7$ $3x + y = -5$

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