



## Common Core Mathematics Practice for Grade 8

CCSS.Math.Content.8.EE.C.8.b - Worksheet #33351

**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> $5x - y = 22$ $2x + y = 20$	<b>6.</b> $4x - y = -21$ $2x + y = -3$
<b>2.</b> $2x - y = 4$ $5x + y = 24$	<b>7.</b> $5x + y = 46$ $x - y = 8$
<b>3.</b> $3x + y = 16$ $3x - y = 20$	<b>8.</b> $2x - y = 9$ $y = -1$
<b>4.</b> $2x + y = 9$ $y = 3$	<b>9.</b> $4x - y = -15$ $5x + y = -12$
<b>5.</b> $4x + y = -30$ $2x + y = -18$	<b>10.</b> $4x + y = -11$ $3x + y = -8$

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