



# Common Core Mathematics Practice for Grade 8

CCSS.Math.Content.8.EE.C.8.b - Worksheet #33396

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> $3x + y = 29$ $3x - y = 13$	<b>6.</b> $y = -5$ $5x + y = -35$
<b>2.</b> $x - y = -5$ $y = 7$	<b>7.</b> $3x + y = -15$ $2x - y = -25$
<b>3.</b> $2x + y = 13$ $3x + y = 21$	<b>8.</b> $x - y = 0$ $x + y = 0$
<b>4.</b> $3x + y = 7$ $y = 1$	<b>9.</b> $4x + y = 2$ $5x + y = 1$
<b>5.</b> $4x + y = -1$ $2x - y = 1$	<b>10.</b> $y = 5$ $x - y = -1$

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