



## Common Core Mathematics Practice for Grade 8

CCSS.Math.Content.8.EE.C.8.b - Worksheet #33308

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> $5x - y = -54$ $5x + y = -36$	<b>6.</b> $3x - y = -17$ $x + y = 1$
<b>2.</b> $x + y = -2$ $5x - y = 26$	<b>7.</b> $3x - y = 24$ $5x - y = 34$
<b>3.</b> $4x - y = -38$ $4x + y = -26$	<b>8.</b> $x + y = -11$ $5x + y = -19$
<b>4.</b> $x + y = 13$ $2x + y = 17$	<b>9.</b> $3x - y = -4$ $x - y = 0$
<b>5.</b> $y = 4$ $5x - y = 36$	<b>10.</b> $2x - y = 9$ $x - y = 3$

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