



# Common Core Mathematics Practice for Grade 8

CCSS.Math.Content.8.EE.C.8.b - Worksheet #33375

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:

<p><b>1.</b> <math>x - y = 15</math> <math>4x + y = 20</math></p>	<p><b>6.</b> <math>x + y = 10</math> <math>4x + y = 31</math></p>
<p><b>2.</b> <math>3x - y = 5</math> <math>5x + y = -5</math></p>	<p><b>7.</b> <math>x - y = -5</math> <math>3x + y = -27</math></p>
<p><b>3.</b> <math>2x + y = 12</math> <math>5x + y = 18</math></p>	<p><b>8.</b> <math>2x + y = 15</math> <math>y = -1</math></p>
<p><b>4.</b> <math>x + y = -1</math> <math>4x + y = -1</math></p>	<p><b>9.</b> <math>5x + y = -42</math> <math>3x + y = -26</math></p>
<p><b>5.</b> <math>x - y = -1</math> <math>2x + y = -20</math></p>	<p><b>10.</b> <math>4x - y = -17</math> <math>4x + y = -31</math></p>

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