



# Common Core Mathematics Practice for Grade 8

CCSS.Math.Content.8.EE.C.8.b - Worksheet #33392

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>4x + y = 9</math> <math>3x + y = 7</math></p>	<p><b>6.</b> <math>3x - y = 6</math> <math>5x - y = 10</math></p>
<p><b>2.</b> <math>4x + y = -42</math> <math>5x - y = -39</math></p>	<p><b>7.</b> <math>5x + y = 22</math> <math>2x - y = 6</math></p>
<p><b>3.</b> <math>x + y = -5</math> <math>y = 2</math></p>	<p><b>8.</b> <math>2x + y = 11</math> <math>3x - y = 9</math></p>
<p><b>4.</b> <math>2x + y = -7</math> <math>3x - y = -8</math></p>	<p><b>9.</b> <math>3x - y = 17</math> <math>5x - y = 29</math></p>
<p><b>5.</b> <math>x + y = 4</math> <math>3x - y = -16</math></p>	<p><b>10.</b> <math>4x + y = 25</math> <math>x + y = 10</math></p>

Printable #: 33392-CCSS.Math.Content.8.EE.C.8.b

Copyright 2013-2015 by Internet4Classrooms Corporation. All Rights Reserved. For more Common Core Resources: [https://www.internet4classrooms.com/common\\_core](https://www.internet4classrooms.com/common_core)

1. This may be printed and reproduced by teachers, parents and students for classroom or homework usage.

2. It is acceptable to link to this page on other websites and in emails using the title above and the following URL:

[https://www.internet4classrooms.com/printables/common\\_core/math\\_mathematics\\_8th\\_eighth\\_grade/33392-CCSS.Math.Content.8.EE.C.8.b.htm](https://www.internet4classrooms.com/printables/common_core/math_mathematics_8th_eighth_grade/33392-CCSS.Math.Content.8.EE.C.8.b.htm) or simply: <http://i4c.xyz/y7mddkdn>.

3. This image and data thereon may not be sold, published online or in print by anyone else.

Teachers may request access to an answer key for all Internet4Classrooms printable practice sheets by going here: <http://i4c.xyz/n89msyv>.