

Name : \_\_\_\_\_

## Solving Systems of Equations: Matching Worksheet

Solve each system of equations using the best method.

Find the correct answer from the answer box. Show your work.

$(-6, -7)$

$(3, -4)$

$(2, 1)$

$(11, 14)$

$(6, 4)$

$(-4, 2)$

①  $-6x + 5y = 22$   
 $6x + 9y = 6$

②  $-7x - 2y = -13$   
 $x - 2y = 11$

③  $-4y - 11x = 36$   
 $5x + 4y = -24$

④  $3x - 5y = 17$   
 $y = -7$

⑤  $-16y = 22 + 6x$   
 $-11y - 4x = 15$

⑥  $y = 6x - 11$   
 $-2x - 3y = -7$

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### Answer

①  $-6x + 5y = 22$   
 $6x + 9y = 6$

$(-2, 2)$

③  $-4y - 11x = 36$   
 $5x + 4y = -24$

$(-4, 2)$

⑤  $-16y = 22 + 6x$   
 $-11y - 4x = 15$

$(-1, -1)$

②  $-7x - 2y = -13$   
 $x - 2y = 11$

$(3, -4)$

④  $3x - 5y = 17$   
 $y = -7$

$(-6, -7)$

⑥  $y = 6x - 11$   
 $-2x - 3y = -7$

$(2, 1)$