

ACTIVITY 69

Name _____

Date _____

Solving Systems of Equations Graphically *(continued)*

Directions Solve the following equations by graphing on a separate sheet of graph paper. Show your work. Then, on the graph at the bottom of this page, graph the ordered pairs that represent the answers. Connect the dots in the same order as the problems are numbered and a cartoon face will appear.

1. $x + y = 8$

$y - x = 2$

2. $x + y = 5$

$x - y = 1$

3. $x + y = 3$

$x = -4y$

4. $y = -3x$

$x + y = -2$

5. $2x + y = 2$

$x + y = -1$

6. $3x + 2y = -17$

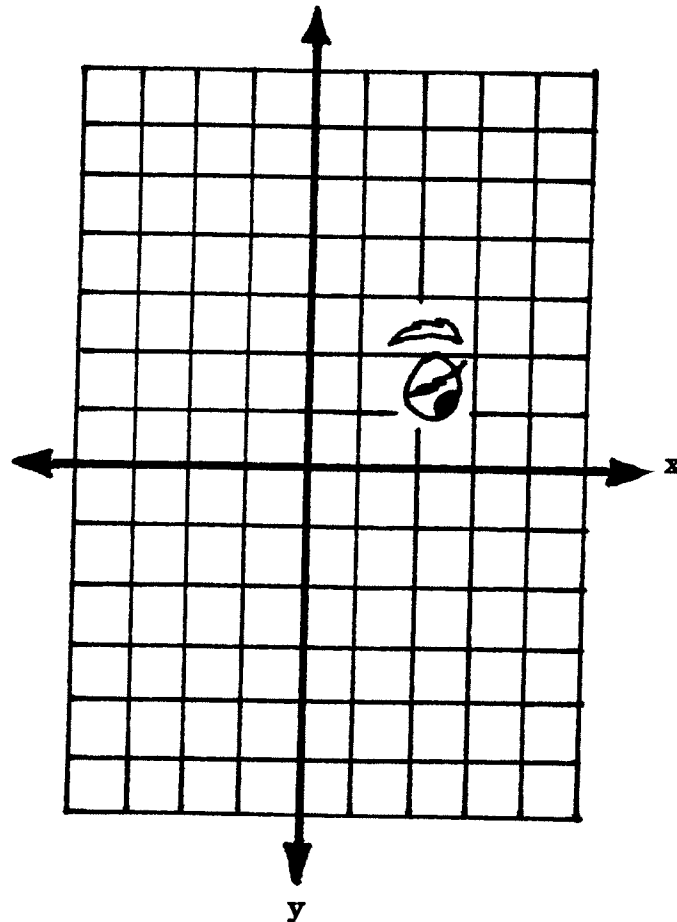
$y = x - 1$

7. $y = 2x + 10$

$x + y = 1$

8. $3x - y = 4$

$x - y = -2$



ACTIVITY 70

Name _____

Date _____

Solving Systems of Equations
(Addition and Multiplication Method) *(continued)*

Directions Solve the following equations for x and y . Place the x answer *horizontally* in the squares to the right of the problems. If your work is correct, the corresponding y answer will appear in the vertical columns. (The first problem has been done for you.)

1. $x + y = 498$
 $x - y = 14$

1. $y =$ 2. $y =$ 3. $y =$

1. $x =$

2	5	6

2. $x =$

3. $x =$

2. $2x - y = 298$
 $x + y = 911$

3. $2y - x = 984$
 $y - x = 350$

4. $x + y = 279$
 $3x + y = 551$

4. $y =$ 5. $y =$ 6. $y =$

4. $x =$

5. $2x + 3y = 1,830$
 $2x - y = 518$

5. $x =$

6. $x + 2y = 1,640$
 $2x + 2y = 2,020$

6. $x =$

7. $2x + y = 436$
 $3x - 2y = 192$

7. $y =$ 8. $y =$ 9. $y =$

7. $x =$

8. $x + y = 850$
 $2x + 3y = 2,226$

8. $x =$

9. $2x + 3y = 1,270$
 $3x - 2y = 306$

9. $x =$



ACTIVITY 71

Name _____

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Solving Systems of Equations
(Substitution Method) *(continued)*

Directions Solve the equations below for x and y . Then place the y values in the squares of the cross-number puzzle at the bottom of the page.

Across

1. $x + y = 25$ $x =$ _____
 $y = 4x$ $y =$ _____
2. $x = y + 8$ $x =$ _____
 $2x + y = 52$ $y =$ _____
3. $3x = y$ $x =$ _____
 $2x = y - 10$ $y =$ _____
5. $3x + y = 33$ $x =$ _____
 $x = y - 13$ $y =$ _____
7. $x - y = -10$ $x =$ _____
 $3x = y + 18$ $y =$ _____

Down

1. $x + y = 34$ $x =$ _____
 $y = x + 14$ $y =$ _____
2. $y = 5x$ $x =$ _____
 $6x - y = 2$ $y =$ _____
4. $2x - y = 6$ $x =$ _____
 $x - y = -4$ $y =$ _____
6. $y - 3x = 22$ $x =$ _____
 $x + y = 102$ $y =$ _____
7. $x + y = 30$ $x =$ _____
 $y = x + 16$ $y =$ _____

