LESSON 7.1

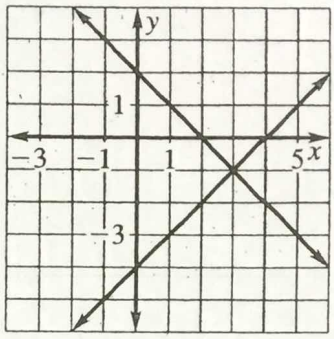
NAME _____ DATE _____

Available as a transparency

Visual Approach Lesson Opener

For use with pages 398–403

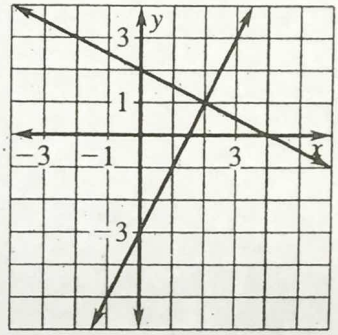
The graph of the equations $x + y = 2$ and $x - y = 4$ is shown at the right.



1. What are the coordinates of the point of intersection?

2. Substitute the coordinates into each equation graphed. Describe the result.

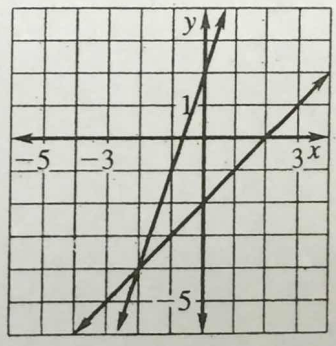
The graph of the equations $2x - y = 3$ and $x + 2y = 4$ is shown at the right.



3. What are the coordinates of the point of intersection?

4. Substitute the coordinates into each equation graphed. Describe the result.

The graph of the equations $x - y = 2$ and $-3x + y = 2$ is shown at the right.



5. What are the coordinates of the point of intersection?

6. Substitute the coordinates into each equation graphed. Describe the result.

7. Make a conjecture about the coordinates of the point of intersection of two linear equations.

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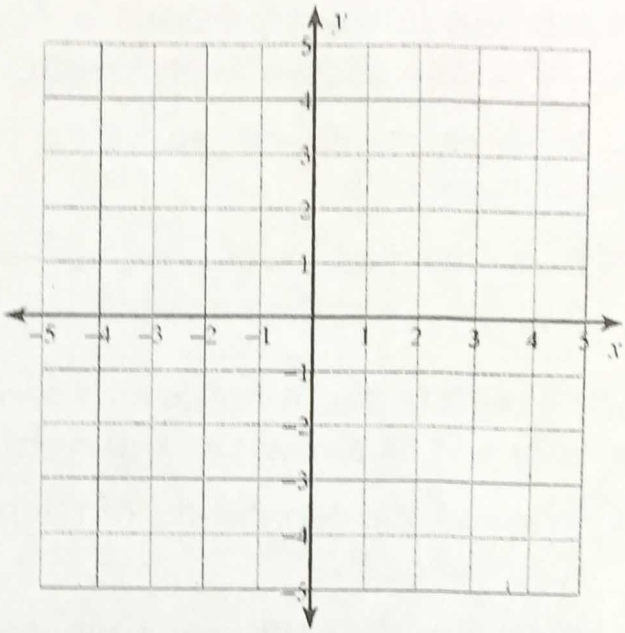
Name _____

Graph the following equations and list the solution:

1. $y = 4x + 3$

   $y = -x - 2$



2. $2x + y = 2$

   $y = -2x - 2$