

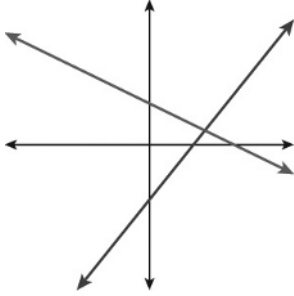
**LESSON**  
**11-1**

# Solving Linear Systems by Graphing

## Practice and Problem Solving: A/B

Tell the number of solutions for each system of two linear equations and state if the system is consistent or inconsistent and dependent or independent.

1.

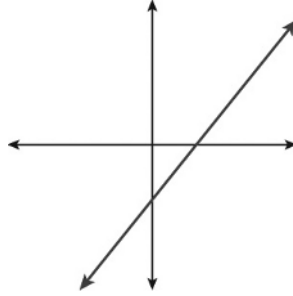


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2.

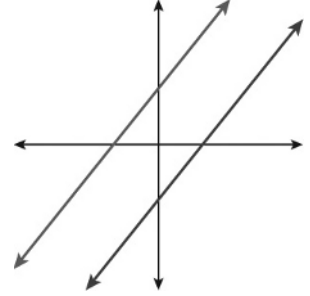


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3.



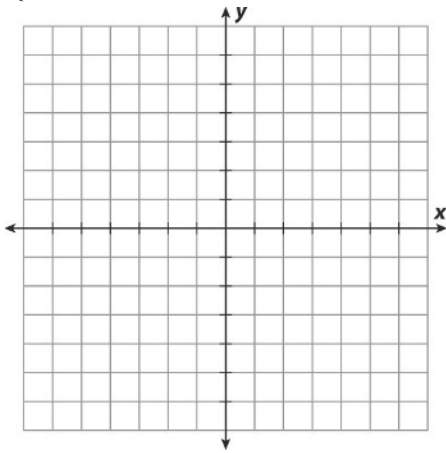
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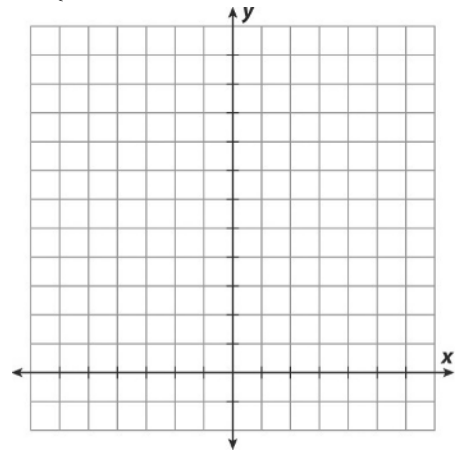
Solve each system of linear equations by graphing.

4. 
$$\begin{cases} x + y = 3 \\ -x + y = 1 \end{cases}$$



solution: \_\_\_\_\_

5. 
$$\begin{cases} 6x + 3y = 12 \\ 8x + 4y = 24 \end{cases}$$



solution: \_\_\_\_\_

6. Jill babysits and earns  $y$  dollars at a rate of \$8 per hour plus a \$5 transportation fee. Samantha babysits and earns  $2y$  dollars at \$16 per hour plus a \$10 transportation fee. Write a system of equations and graph to determine the number of hours each needs to babysit to earn the same amount of money.

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