



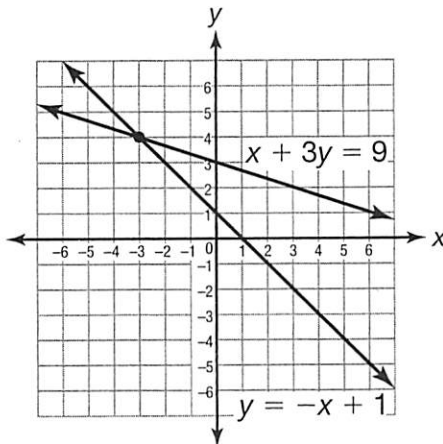
Lesson Practice

Linear Systems

Choose the correct answer.

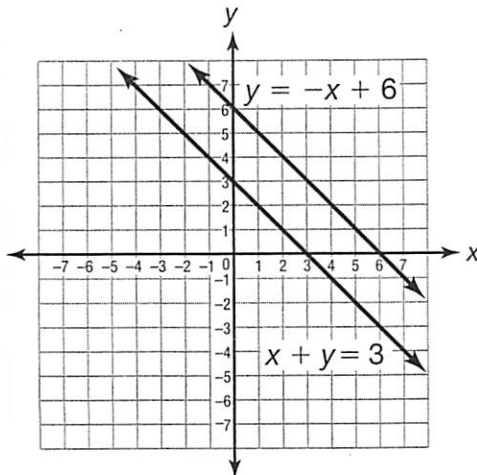
Name _____

1. Which is the solution for the system of linear equations graphed below?



- A. $(-4, 3)$ C. $(0, 3)$
 B. $(0, 1)$ D. $(-3, 4)$

2. Which best describes the solution for the system of linear equations graphed below?



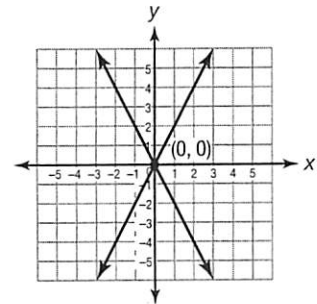
- A. $(3, 0)$ only
 B. $(6, 0)$ only
 C. no solution
 D. infinitely many solutions

3. Which shows the solution for the following system of equations?

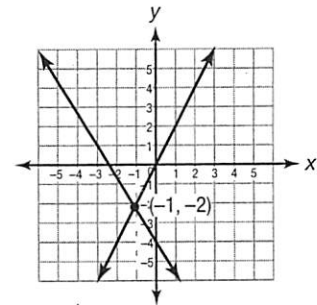
$$y = 2x$$

$$2x + y = -4$$

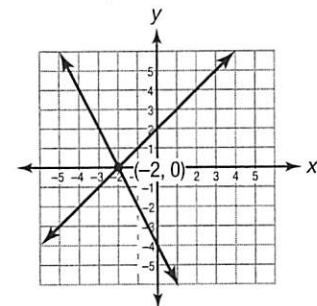
A.



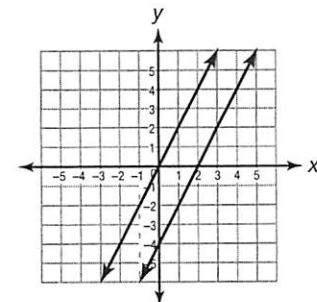
B.



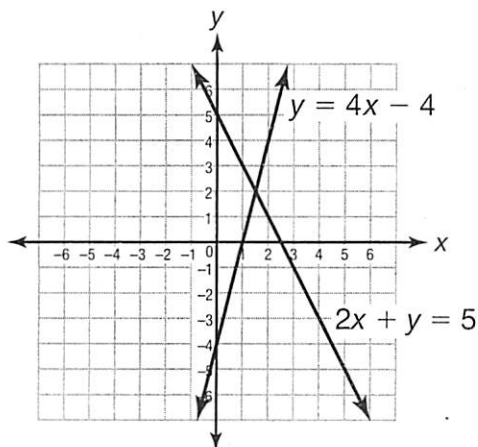
C.



D.



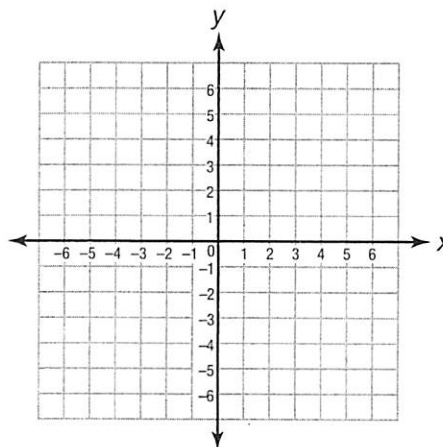
4. Which is the best estimate of the solution for the system of linear equations graphed below?



- A. (0.5, 2)
- B. (1.5, 2)
- C. (2, 1.5)
- D. (2.5, 1.5)

5. Solve this system of equations by graphing.

$$\begin{aligned} -2x + 5y &= 10 \\ y &= x + 5 \end{aligned}$$

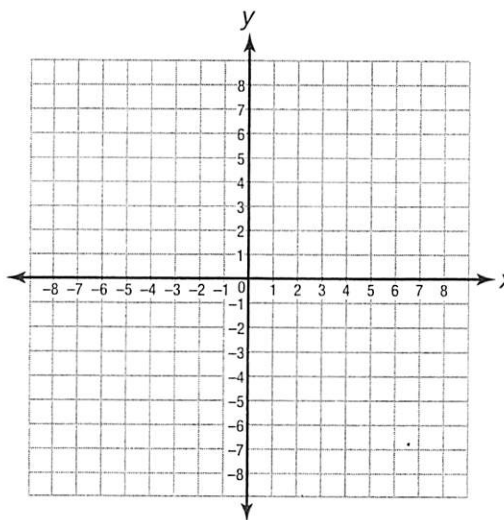


- A. (-5, 0)
- B. (5, 0)
- C. no solution
- D. infinitely many solutions

6. Consider the system of linear equations below.

$$\begin{aligned} 3x + y &= -4 \\ -5x + y &= 8 \end{aligned}$$

- A. Graph the system of equations on the coordinate plane. Label each line on your graph and show any work you do.
- B. Use your graph from Part A to estimate the solution for the system of equations. Explain how you determined your estimate.



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