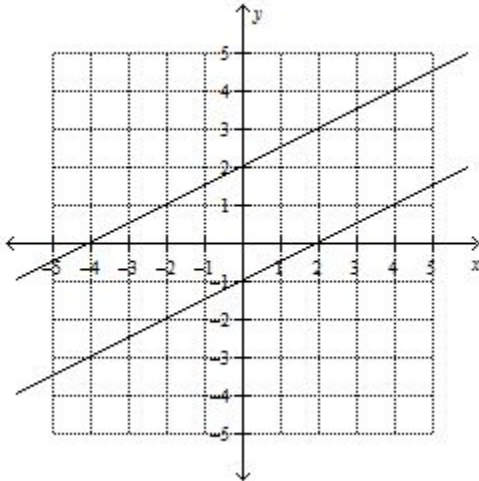


Directions: Answer the following question(s).

1 Is it possible to have two solutions in a system of linear equations?

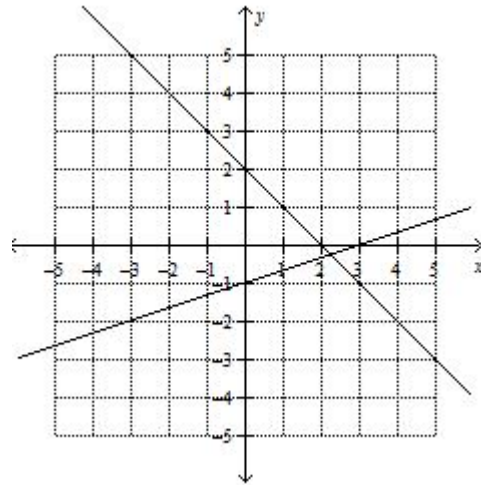
- A. yes
- B. no

2 Identify the number of solutions to the following system of equation.



- A. One Solution
- B. Two Solutions
- C. Infinitely many solutions
- D. No Solution

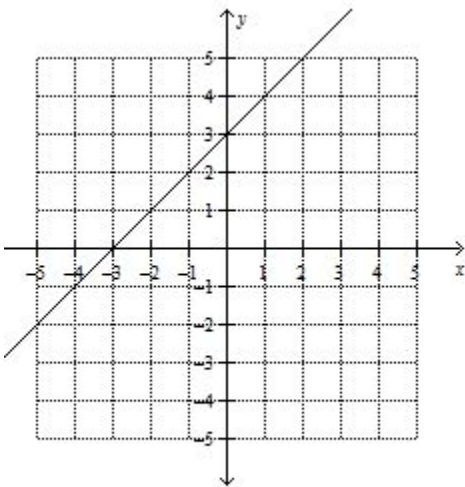
3 Identify the number of solutions to the following system of equation.



- A. One Solution
- B. Two Solutions
- C. Infinitely many Solutions
- D. No Solution

Directions: Answer the following question(s).

- 4 Identify the number of solutions to the following system of equation.



- A. One Solution
 B. Two Solutions
 C. Infinitely many Solutions
 D. No Solution

- 5 Identify the type of solution for the system of equation down below.

$$\begin{cases} y = 6x - 5 \\ y = 9x - 3 \end{cases}$$

- A. One Solution
 B. Two Solutions
 C. Infinitely Many Solutions
 D. No Solution

- 6 Identify the type of solution for the system of equation down below.

$$\begin{cases} y = 3x + 6 \\ y = 3x - 4 \end{cases}$$

- A. One Solution
 B. Two Solutions
 C. Infinitely Many Solutions
 D. No Solution

- 7 Identify the type of solution the following system of equations has.

$$\begin{cases} y = \frac{1}{2}x - 1 \\ y = -\frac{1}{2}x - 1 \end{cases}$$

- A. One Solution
 B. Two Solutions
 C. Infinitely Many Solutions
 D. No Solution

- 8 A system of two linear equations is shown below.

$$\begin{aligned} 5x + 2y &= -4 \\ 5x + 2y &= 1 \end{aligned}$$

Which statement is true regarding the solution to this system of linear equations?

- A. The system has no solution.
 B. The system has one unique solution at (5, 2).
 C. The system has one unique solution at (-4, 1).
 D. The system has an infinite number of solutions.

Directions: Answer the following question(s).

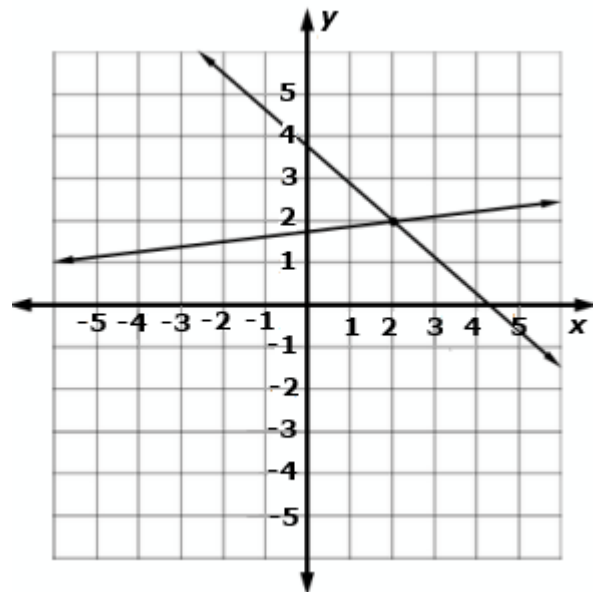
9 Which of these systems of equations has an infinite number of solutions?

- A. $-6c + 11d = 20$
 $-6c + 11d = 20$
- B. $-6c + 11d = 20$
 $-5c + 8d = 22$
- C. $-6c + 11d = 22$
 $-5c + 8d = 22$
- D. $-5c + 8d = 20$
 $-5c + 8d = 22$

10 Which of these systems of equations has no solution? Select three that apply.

- A. $5x + 9y = 34$
 $5x + 9y = 27$
- B. $7x - 15y = 26$
 $8x - 15y = 26$
- C. $11x - 2y = -25$
 $11x - 2y = -20$
- D. $14x + 7y = 30$
 $14x + 7y = 40$
- E. $17x - 10y = 38$
 $17x - 12y = 38$
- F. $18x + 5y = -42$
 $19x + 6y = -44$

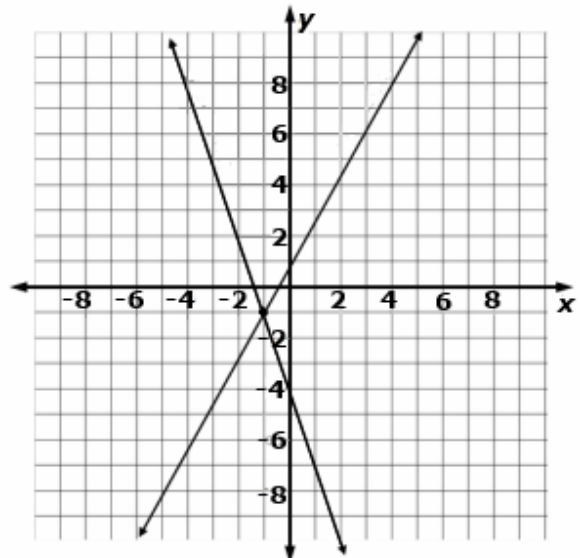
11 The graph shows two linear equations.



Enter the coordinates of the solution to the two linear equations.

(,)

12 The graph of two linear equations, $y = -3x - 4$ and $y = 2x + 1$, is shown.

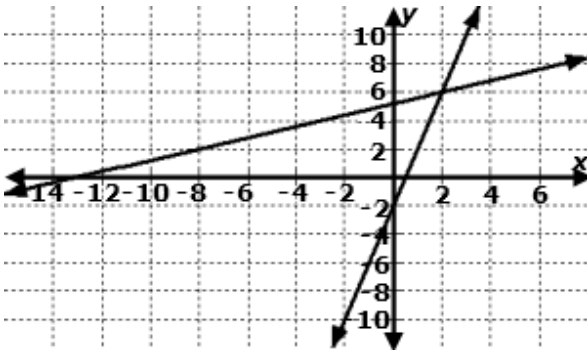


Enter the coordinates of the solution to the two linear equations.

(,)

Directions: Answer the following question(s).

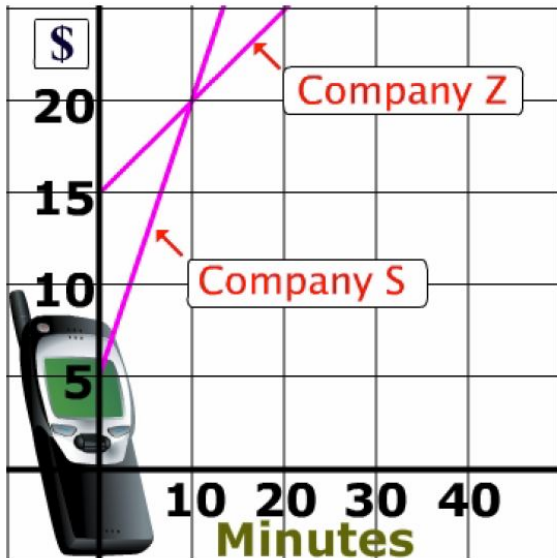
- 13 The system of equations $4x - y = 2$ and $2x - 5y = -26$ is graphed below. What is the solution to the system of equations?



- A. $(-2, 0)$
- B. $(0, -2)$
- C. $(2, 6)$
- D. $(6, 2)$

- 14 Cell phone company S charges a \$5 flat fee plus a regular rate of \$15 for every 10 minutes. Company Z charges a \$15 initial, flat-fee and has a rate of \$5 for every 10 minutes. At how many MINUTES, do these two companies charge the same amount?

minutes



- 15 Company L and Company K are cell phone service providers. When both plans are equal what will the customer pay in fees?

dollars



- 16 The graph of linear equation A passes through the points $(-7, 4)$ and $(3, -10)$, while the graph of linear equation B passes through the points $(-7, 4)$ and $(5, 11)$. Which of these is a solution to the system of equations consisting of linear equation A and linear equation B? Select one that applies.

- A. $(-7, 4)$
- B. $(3, -10)$
- C. $(5, 11)$

Directions: Answer the following question(s).

- 17 Graph the following System of Equations on the paper provided to you. Make sure to enter in your solution here.

$$\begin{cases} y = -\frac{3}{4}x + 4 \\ y = \frac{1}{2}x - 1 \end{cases}$$

If One Solution: Write the value of the coordinate point in the appropriate box.

Example: (4,5)

If No Solution: Write No Solution

If Infinitely Many: Write Infinitely Many

- 18 Graph the following System of Equations on the paper provided to you. Make sure to enter in your solution here.

$$\begin{cases} y = 2x - 4 \\ y = 2x + 1 \end{cases}$$

If One Solution: Write the value of the coordinate point in the appropriate box.

Example: (4,5)

If No Solution: Write No Solution

If Infinitely Many: Write Infinitely Many

- 19 Graph the following System of Equations on the paper provided to you. Make sure to enter in your solution here.

$$\begin{cases} y = \frac{1}{3}x - 4 \\ y = -\frac{7}{3}x + 4 \end{cases}$$

If One Solution: Write the value of the coordinate point in the appropriate box.

Example: (4,5)

If No Solution: Write No Solution

If Infinitely Many: Write Infinitely Many

- 20 Graph the following System of Equations on the paper provided to you. Make sure to enter in your solution here.

$$\begin{cases} y = 6x - 3 \\ y = -x + 2 \end{cases}$$

If One Solution: Write the value of the coordinate point in the appropriate box.

Example: (4,5)

If No Solution: Write No Solution

If Infinitely Many: Write Infinitely Many