



Name \_\_\_\_\_ Class \_\_\_\_\_ Date \_\_\_\_\_

1 To solve a **system of equations** means to solve two equations for an ordered pair that make both equations true.

True or false?

- A true
- B false

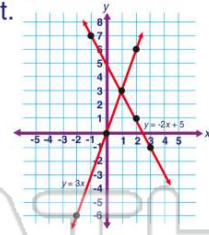
3 What is the solution set for the system of equations,  $y = 4x$  and  $2x + y = 12$ , by using **algebraic substitution**?

- A (6, 24)
- B (1.5, 6)
- C (2, 8)
- D (2, 8)

2 The graph shown represents the equations,  $y = 3x$  and  $y = -2x + 5$  and their solution set.

True or false?

- A true
- B false



4 What is the solution set for the system of equations,  $y = -2x$  and  $5x - y = -14$ , by using **algebraic substitution**?

- A (-2, 4)
- B (7, 14)
- C (1, -2)
- D (1, -2)

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## PREVIEW

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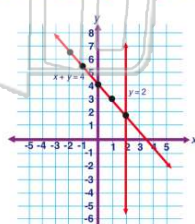
- A  $(\frac{1}{2}, 3)$
- B (1, 1)
- C (-1, 2)
- D (2, 4)

- A (2, 9)
- B (5, 0)
- C (1, 10)
- D (6, -3)

9 The graph shown represents the equations,  $y = 2$  and  $x + y = 4$ , and their solution set correctly.

True or false?

- A true
- B false



10 EZ Rental charges an initial fee of \$59 and a per day fee of \$40. Careful Car Rental charges an initial fee of \$79 and a per day fee of \$30. At how many days is the fee the same for both companies?

- A 2
- B 3
- C 4
- D 5



## ANSWER KEY

To solve a **system of equations** means to solve two equations for an ordered pair that make both equations true.

True or false?

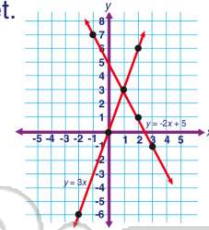
- A true
- B false

(a)

The graph shown represents the equations,  $y = 3x$  and  $y = -2x + 5$  and their solution set.

True or false?

- A true
- B false



(a)

What is the solution set for the system of equations,  $y = 4x$  and  $2x + y = 12$ , by using **algebraic substitution**?

- A (6, 24)
- B (1.5, 6)
- C (2, 8)
- D (3, 6)

(c)

What is the solution set for the system of equations,  $y = -2x$  and  $5x - y = -14$ , by using **algebraic substitution**?

- A (-2, 4)
- B (7, 14)
- C (1, -2)
- D (-3, 1)

(a)



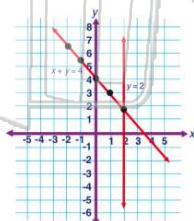
## PREVIEW

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The graph shown represents the equations,  $y = 2$  and  $x + y = 4$ , and their solution set correctly.

True or false?

- A true
- B false



(b)

EZ Rental charges an initial fee of **\$59** and a per day fee of **\$40**. Careful Car Rental charges an initial fee of **\$79** and a per day fee of **\$30**. At how many days is the fee the **same** for both companies?

- A 2
- B 3
- C 4
- D 5

(a)