

## Systems of Equations

A) Determine whether the ordered pair is a solution to the given system of equations.

1)  $(2, 6)$  ;  $\begin{cases} 39 = 2x + 5y \\ -3x - 7y = -50 \end{cases}$

2)  $(-1, -4)$  ;  $\begin{cases} -7a + 4b = -9 \\ 6a = -10 - b \end{cases}$

3)  $(-3, 9)$  ;  $\begin{cases} d + 3c = 1 \\ -2c + 9d = 1 \end{cases}$

$\begin{cases} t = 7 \\ = 23 \end{cases}$

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B) Check whether the ordered pair is a solution to the given system of linear equations.

5)  $\begin{cases} -5p + 7q = 74 \\ p - 5q = -40 \end{cases}$

near equations.

C) Write a system of linear equations that has the solution  $(0, -9)$ .

**Systems of Equations**

A) Determine whether the ordered pair is a solution to the given system of equations.

1)  $(2, 6)$  ;  $\begin{cases} 39 = 2x + 5y \\ -3x - 7y = -50 \end{cases}$

2)  $(-1, -4)$  ;  $\begin{cases} -7a + 4b = -9 \\ 6a = -10 - b \end{cases}$

**No****Yes**

3)  $(-3, 9)$  ;  $\begin{cases} d + 3c = 1 \\ -2c + 5d = 17 \end{cases}$

$\begin{cases} t = 7 \\ s = 23 \end{cases}$

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**Yes**

B) Check whether the ordered pair is a solution to the given system of linear equations.

5)  $\begin{cases} -5p + 7q = 74 \\ p - 5q = -40 \end{cases}$

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**Yes**

C) Write a system of linear equations that has the solution  $(0, -9)$ .  
(Answer may vary)

**$4m + 6n = -54$  ;  $7m - 3n = 27$**