

## Systems of Equations

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

1)  $(-7, 8)$  ; 
$$\begin{aligned} -7b &= -77 - 3a \\ 5a + 2b + 19 &= 0 \end{aligned}$$

2)  $(3, -1)$  ; 
$$\begin{aligned} 9d - 8c &= -33 \\ 6c - 3d &= 21 \end{aligned}$$

3)  $(5, 12)$  ; 
$$\begin{aligned} -8s + 5t &= 2q \\ 4t - 7s &= 54 \end{aligned}$$

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

5) 
$$\begin{aligned} 7u - 6v &= 38 \\ 16 &= -4u + v \end{aligned}$$

C) Write a system of linear equations that has the solution  $(-9, -10)$ .

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**Systems of Equations**

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

1)  $(-7, 8)$  ;  $-7b = -77 - 3a$   
 $5a + 2b + 19 = 0$

2)  $(3, -1)$  ;  $9d - 8c = -33$   
 $6c - 3d = 21$

**Yes****Yes**

3)  $(5, 12)$  ;  $-8s + 5t = 1$   
 $4t - 7s = 2q$

$2q = 54$

**Yes**

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

5)  $7u - 6v = 38$   
 $16 = -4u + v$

near equations.

**No**

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C) Write a system of linear equations that has the solution  $(-9, -10)$ .  
 (Answer may vary)

**$2x - y = -8$  ;  $-3x - 6y = 87$**