### WEDNESDAY, APRIL 3, 2019

Warm Up

arm Up  
Solve for y and get it by itself on one side: 
$$y = al$$
  
 $2x - 4y = 4$   
 $-2x - 4y = -1$   
 $-2x - 4y = -1$   

Solving Systems by Substitution

SOLVING SYSTEMS BY SUBSTITUTION Form 1 (- | , | , - 2 + 3

Content Objective: | will use the substitution method to successfully solve systems of linear equations (SOLE). Language Objective: | will clearly write the steps for solving a SOLE by the substitution method. Social Objective: | will work in my group to successfully solve a SOLE word problem using the substitution method and present four representations of our solution to the class.

+2

(1, )

 $\times = -$ 

## **BRAIN BREAK**

**Content Objective:** I will use the substitution method to successfully solve systems of linear equations (SOLE). **Language Objective:** I will clearly write the steps for solving a SOLE by the substitution method. **Social Objective:** I will work in my group to successfully solve a SOLE word problem using the substitution method and present four representations of our solution to the class.

#### SOLVING SYSTEMS SUBSTITUTION Form 2

2,-1)

+ 3

x = y + 3

3x

5x

+ 5

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2

3

C.

## **BRAIN BREAK**

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VING SYSTEMS B 10N - 3x - 34 = -1 X-5-1(-2) Form +5(0) 2 5+2 **Content Objective:** | x + 3y = 1 will use the substitution method -3x + 6yto successfully solve +3x systems of linear equations (SOLE). Language Objective: I will clearly write the steps for solving a ZX SOLE by the substitution method. Social Objective: |

will work in my group to successfully solve a SOLE word problem using the substitution method and present four representations of our solution to the class.

# PRACTICE Substitution



A. 5x - 2y = 3 (3,6) y = 2x

C. x + 7y = 24 (3.3) x - 9y = -24

B. 
$$y = 6x + 11(-1,5)$$
  
 $2y - 4x = 14$ 

D. 7x - 4y = -7 (3,7) 5x + y = 22

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