Feb 19-23   Week
Last week the student was absent 4 of the 5 days so lessons are very similar and redoing most.

Monday Feb 19   - NO SCHOOL for student as teacher inservice

Tuesday Feb 20
Continuing with the Objective: Use substitution Method to solve a system of equations.
Activity: Student was still struggling with solving equations with distributive property.
        Therefore, Tuesday we will do more practice problems as it has been over a week.

Wednesday Feb 21
Assess the Objective: Use substitution Method to solve a system of equations.
Introduce the Objective: Use ELIMINATION Method to solve a system of equations.

Activity: QUIZ on substitution method
                Complete the Edpuzzle of notes on Elimination Method
                        ---- see notes page at the end of this schedule

Thursday Feb 22
Continuing with the Objective: Use ELIMINATION Method to solve a system of equations.
Activity: Work with Teacher to review yesterday's notes and complete this problem

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Work with a partner. You purchase a drink and a sandwich for $4.50. Your friend purchases a drink and five sandwiches for $16.50. You want to determine the price of a drink and the price of a sandwich.

  a. Let x represent the price (in dollars) of one drink. Let y represent the price (in dollars) of one sandwich. Write a system of equations for the situation. Use the following verbal model.

$$\frac{\text{Number}}{\text{of drinks}} \cdot \frac{\text{Price}}{\text{per drink}} + \frac{\text{Number of}}{\text{sandwiches}} \cdot \frac{\text{Price per}}{\text{sandwich}} = \frac{\text{Total}}{\text{price}}$$

  Label one of the equations Equation 1 and the other equation Equation 2.

Solve by elimination method: The first step for setting up method is already completed

Is the solution the same using both methods? Which method do you prefer?

  a. $3x - y = 6$ b. $2x + y = 6$ c. $x - 2y = -7$
      $3x + y = 0$ $2x - y = 2$ $x + 2y = 5$

Solve by elimination method: The first step NEEDS to be done to create an eliminated variable.

$2x + y = 7$ Equation 1
$x + 5y = 17$ Equation 2

Friday Feb 23

Continuing with the Objective: Use ELIMINATION Method to solve a system of equations.

Activity: Complete worksheet from 5.3 Bigideasmath Algebra student journal book

Extra Practice

In Exercises 1–18, solve the system of linear equations by elimination. Check your solution.

1. $x + 3y = 17$
$-x + 2y = 8$

2. $2x - y = 5$
$5x + y = 16$

3. $2x + 3y = 10$
$-2x - y = -2$

4. $4x + 3y = 6$
$-x - 3y = 3$

5. $5x + 2y = -28$
$-5x + 3y = 8$

6. $2x - 5y = 8$
$3x + 5y = -13$

WEDNESDAY Feb 21
Activity: 7 viewing minutes --- copying will take more time
NOTE: We have done solving linear systems by GRAPHING method & SUBSTITUTION method.

DEMO #1

Solve this system using elimination.

$$\begin{cases} a + b = -4 \\ 2a - b = -5 \end{cases}$$

So choose

DEMO #2

Solve this system using elimination.

$$\begin{cases} 3x + 2y = 23 \\ -2x + 3y = 2 \end{cases}$$

NOTE: Please do not pick the "Math is Stupid" online answer --- choose it is "We don't have opposites".

DEMO #3

Solve this system using elimination.

$$\begin{cases} 4x - 3y = -1 \\ 2x + 5y = 19 \end{cases}$$