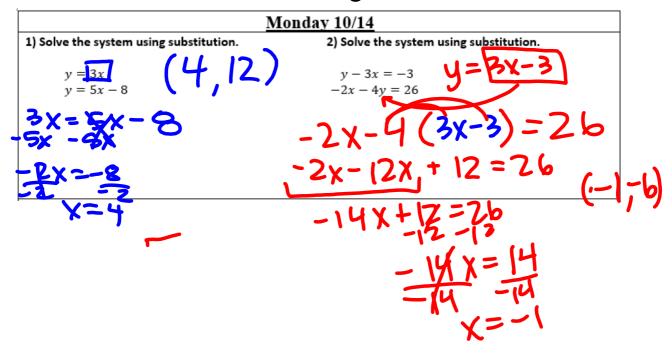
Grab a Week #9 Packet Bell Ringer



5.1 online hw due today!
5.2 online hw due tomorrow!
Week #8 Packet due tomorrow!
Ch 4 Test Retake due Tues 10/29

$$x-3y=-1$$

 $y-3y=-1$
 $-\frac{7}{2}y=-1$
 $y=\frac{1}{2}$
 $y=\frac{1}{2}$

$$2x + 2y = 10$$

$$y = |5| + x$$

$$2x + 2(5 + x) = |0|$$

$$2x + |0| + |2|$$

$$4x + |0| = |0|$$

$$4x = 0$$

$$4x = 0$$

$$4x = 0$$

$$4x = 0$$

An adult ticket to a museum costs \$3 more than a children's ticket. When 200 adult tickets and 100 children's tickets are sold, the total revenue is \$2100. What is the cost of a children's ticket?

x= adults price
y = childrens price

X = [y + 3] 200x + 100y = 2,100 200(y+3) + 100y = 2,100 200y + 600 = 2100 -600 - 600 300y = 1500 300y = 1500 300y = 1500

$$3x + y = -5$$
$$y = 2x + 5$$

$$(-2,1)$$

$$2x + 6y = 2$$

$$-3x - 3y = -15$$

$$-3(1 - 3y) - 3y = -15$$

$$-3 + 9y - 3y = -15$$

$$-9 = -12$$

$$4y = -2$$

$$4y = -2$$

$$4y = -2$$

There are a total of 64 students in a drama club and a yearbook club. The drama club has 10 more students than the yearbook club. Write a system of linear equations that represents this situation. How many students are in each club?

Math 1 Honors

Name

Solving Systems Using Substitution - Day 2

Date_____ Hour___

Solve each system by substitution.

$$\begin{array}{ll}
1) & -2x - 4y = 8 \\
y = -2
\end{array}$$

2)
$$7x - 3y = 2$$

 $y = -3$

3)
$$y = -2x - 2$$

 $8x + 2y = -12$

4)
$$-6x + 4y = -18$$

 $y = x - 2$

5)
$$y = 8x - 5$$

 $y = 4x - 1$

6)
$$y = x - 4$$

 $y = -6x + 24$

$$7) -x - y = -5$$
$$y = 1$$

8)
$$-3x + 8y = -15$$

 $-3x + y = 6$

9)
$$-x - 5y = -19$$

 $x - 7y = -17$

10)
$$3x + 6y = 15$$

 $y = 4$

11)
$$-2x + 5y = -10$$

 $-7x + y = -2$

12)
$$3x + y = 8$$

 $6x + 4y = 20$

13)
$$-7x - 7y = -21$$

 $4x + y = 6$

14)
$$x - 4y = 3$$

 $2x - 4y = 2$

15)
$$-6x - y = -13$$

 $2x + 2y = -4$

16)
$$-2x - 5y = 20$$

 $y = -4$