December 2nd

Due Today: -

Due Next Class: HW 5.

Unit 5: Systems- part 1

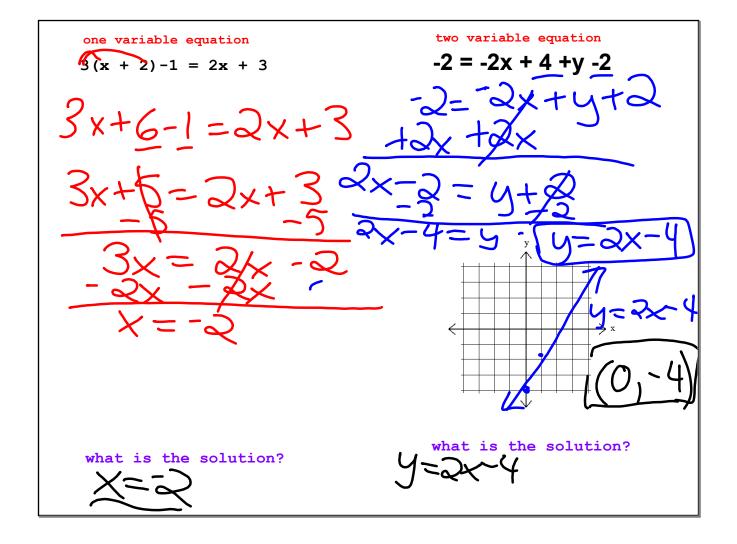
Lesson: 5.1- Linear Systems- graphically.

Get Ready: Solve the following:

$$3(x + 2) - 1 = 2x + 3$$

$$-2 = -2x + 4 + y - 2$$





Partner Worksheet

C

Taj + Nikki

Marley + Maryam

Heiber + Matt

Zach + Rossaly

Monia + Jasmine

Ruby + Ariana

Jaileen + Bridgette

Caden + Brianly

Alex + Huley

Ε

Natalie + Neyse

Gabby + Nathan

Layth + Halley

Jennifer + Jonah

Jormanis + Tom

Matthew + Kayin

Nathan + Tommy

Yanilsa + Anelie +

Daniel

System of Linear Equations:

Set of equations with the same variables.

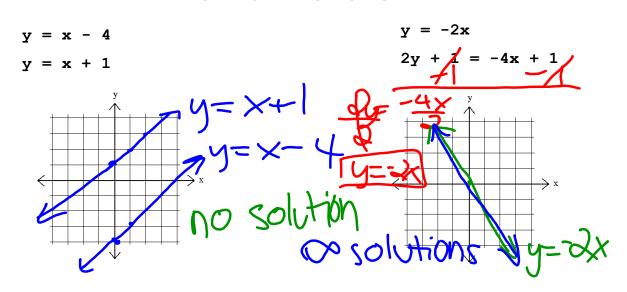
Solution to a System:

where the 2 lines intersect

How to GRAPHICALLY Solve a System of Linear Equations:

- 1. Make sure each equation is in slope intercept form.
- 2. graph each line- LABEL BOTH YOUR LINES!
- 3. Identify the point of intersection.
- 4. Label the solution as a point (∂_1)
- 5. State the x= and the y= solution.

SPECIAL CASES



A system of parallel lines has no solution.

A system of the same line has infinite solutions.

Partner Practice

- partner A will complete the ODD numbers and partner B will complete the EVEN numbers
- Even though you have different problems, THE ANSWERS ARE THE SAME!
- you should be on the same problem as your partner!

$$y = 2x + 3$$

 $y = -1/2x + 3$
 $y = -1/2x - 3$
 $y = -1/2x - 3$

Recap	
Key Points Solving Sys.	tems of Equations Graphica Ily
Due Next Time:	Next Class: Viz Friday

