Warm Up: Alg 2 10/8

Given y = 3x + 4,

1) What are you given? BE SPECIFIC!

2) Based on what you are given what do you know?

3) Is (-2, -2) a solution? (4, 15)?

x, y

Feb 27-7:39 AM

Warm Up: Alg 2 10/8

Given y = 3x + 4, y = -2x + 6

1) What are you given? BE SPECIFIC?

2) Based on what you are given what do you know?

3) Is (-2, -2) a solution? (6, 6)?

Feb 27-7:39 AM

W.A.L.T.:

Solve systems of equations.

W.A.S.I:

We know how to find and interpret the solution of a system of equations using graphing, substitution, and elimination.

Mar 7-9:45 AM

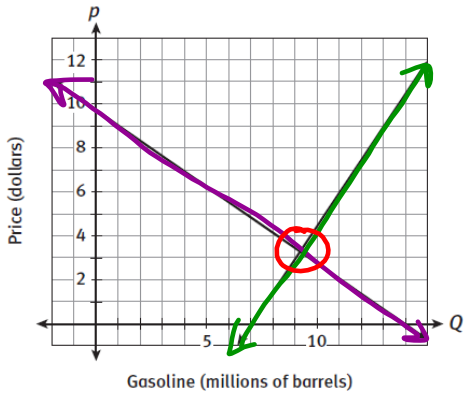
Notes!!! Systems of Equations

A system of equations is a collection of equations that are all considered at the same time.

The solution to a System of Equations is a ordered pair (x,y). Which makes BOTH/all equations true.

Dec 31-10:01 PM

In Class Work: pg. 29 #1



x, y
(9.2, 3.2)

1. **Make use of structure.** Find an approximation of the coordinates of the intersection of the supply and demand functions. Explain what the point represents.

Mar 7-1:33 PM

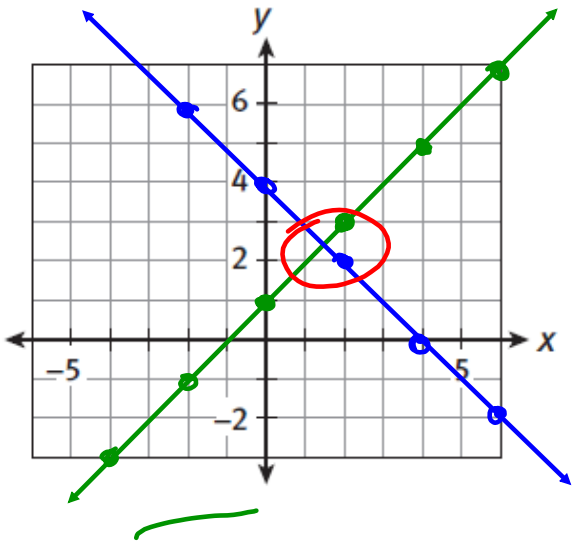
In Class Work: pg. 29 #2

2. What problem(s) can arise when solving a system of equations by graphing?

Mar 7-1:33 PM

a. $\begin{cases} y = x + 1 \\ y = -x + 4 \end{cases}$

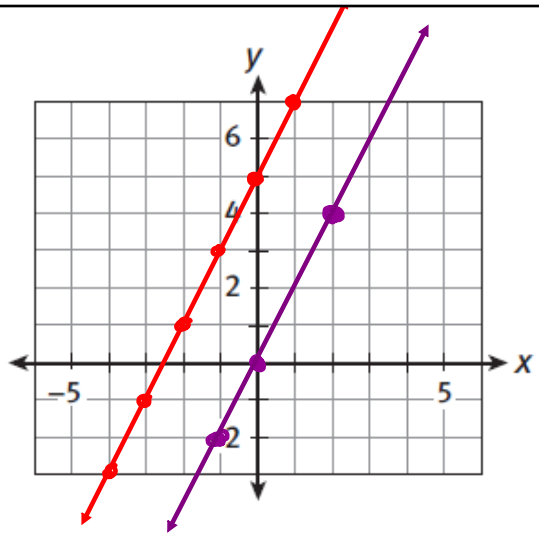
(1.5, 2.2)



Oct 8-7:26 AM

b. $\begin{cases} y = 5 + 2x \\ y = 2x \end{cases}$

No sol



Oct 8-7:27 AM

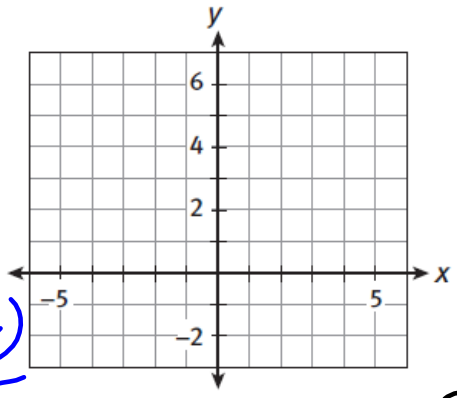
c. $\begin{cases} y = 2x + 1 \\ 2y = 2 + 4x \end{cases}$

$\frac{2y}{2} = \frac{2 + 4x}{2}$

$y = \frac{2 + 4x}{2}$

$y = \frac{2(1 + 2x)}{2}$

$y = 1 + 2x$



Oct 8-7:27 AM

Check Your Understanding

4. Describe how you can tell whether a system of two equations is independent and consistent by looking at its graph.
5. The graph of a system of two equations is a pair of parallel lines. Classify this system. Explain your reasoning.
6. **Make sense of problems.** A system of two linear equations is dependent and consistent. Describe the graph of the system and explain its meaning.

Oct 8-7:27 AM

Today's Activities:

- pg. 29 - 31 #1 - 3

P.W. for tonight:

- pg. 31 #7

Day 4

Dec 31-9:59 PM