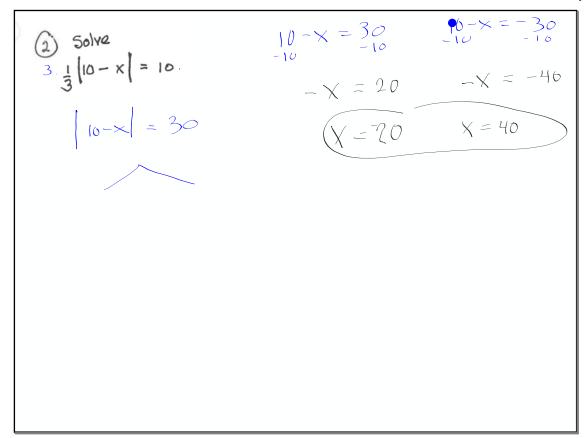
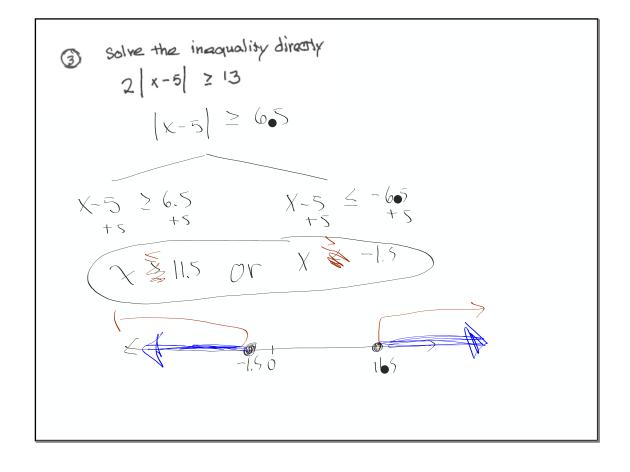


$$\frac{2m - (3+n) = 100m}{2m - (3+n)} = 98m$$

$$\frac{3+n}{3+n} = -98m$$

$$\frac{3+n}{3+n} = -98m$$





Notes on 4.1.3

November 14, 2018

$$\frac{12}{9} \quad 4m^{5} \cdot 3m^{7} = 12m^{7} = 12m^{7} = 12m^{7} = 12m^{7}$$

$$\frac{12}{9} \times \frac{x^{2}}{1} \cdot \frac{x^{3}w^{2}}{x^{1}} = x^{4}w^{2}w^{7} = x^{4}w^{7}$$

$$\frac{12}{9} \times \frac{x^{2}}{x^{1}} \cdot \frac{x^{3}w^{2}}{x^{1}} = x^{4}w^{2}w^{7} = x^{4}w^{7}$$

$$\frac{12}{9} \times \frac{x^{2}}{x^{1}} \cdot \frac{x^{3}w^{2}}{x^{1}} = x^{4}w^{2}w^{7} = x^{4}w^{7}$$

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$$\frac{12}{9} \times \frac{x^{2}}{x^{1}} \cdot \frac{x^{3}w^{2}}{x^{1}} = x^{4}w^{2}w^{7} = x^{4}w^{2}w^{7} = x^{4}w^{2}$$

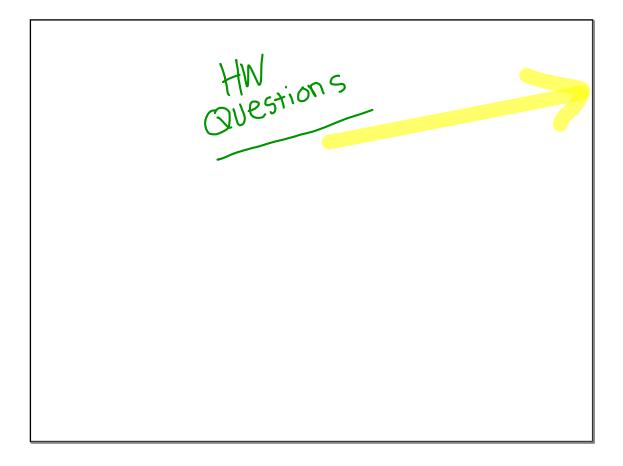
$$\frac{12}{9} \times \frac{x^{2}}{x^{1}} \cdot \frac{x^{3}w^{2}}{x^{1}} = x^{4}w^{2}w^{7} = x^{4}w^{2}$$

$$\frac{12}{9} \times \frac{x^{2}}{x^{1}} = x^{4}w^{2}w^{7} = x^{4}w^{2}$$

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$$\frac{12}{9} \times \frac{x^{2}}{x^{1}} = x^{2}w^{2}$$

$$\frac{12}{9} \times \frac{x^{2}}{x^{2}} = x^{2}w^{2}$$



4-22. Solve $(x-3)^2 - 2 = x + 1$ graphically

4-23. Graph a system of equations to solve $2|x-4|-3=\frac{2}{3}x-3$.

4-24. Solve each of the following equations using any method.

a.
$$-3\sqrt{2x-5} + 7 = -8$$

b.
$$2|3x+4|-10=12$$

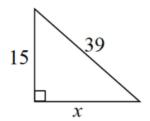
4-27. Solve the following equations. Be sure to check your answers for any extraneous solutions.

a. $\sqrt{2x-1} - x = -8$

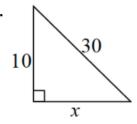
b.
$$\sqrt{2x-1} - x = 0$$

4-28. Find the value of x.

a.



b.



Use the solutions to check your answers carefully.

You have 5 minutes.

-Use a pen, record your scores

AlM today:

- Determine the meaning of the solutions of systems (as they relate to their graphs)
- Find solutions to complex systems

$$2x-3y=7$$
 $5x+21y=18$

What do solutions to Systems look like? What do salutions look 1916?

$$\frac{2}{X} = 5\sqrt{15} - 6$$

$$x + 2y = 7$$

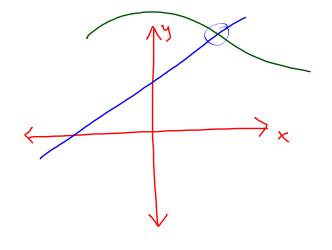
 $3x - y^2 = 18$

The solution of a system of equations will be a pair of values

12-7-7

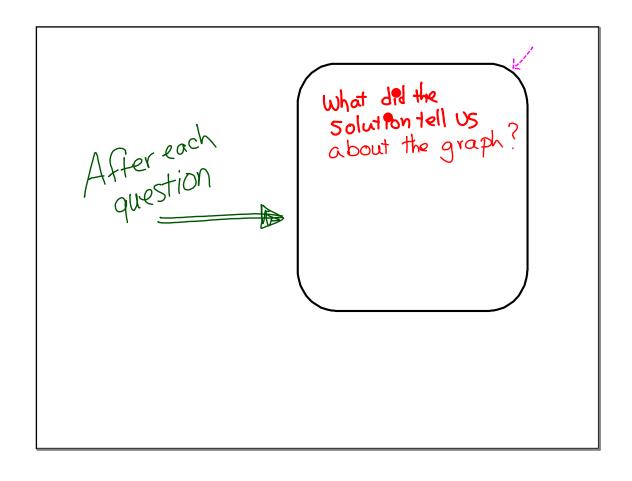
$$x+2y=7$$

 $3x-y^2=18$

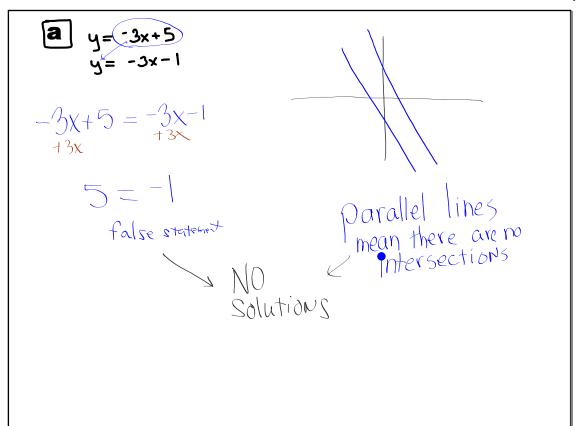


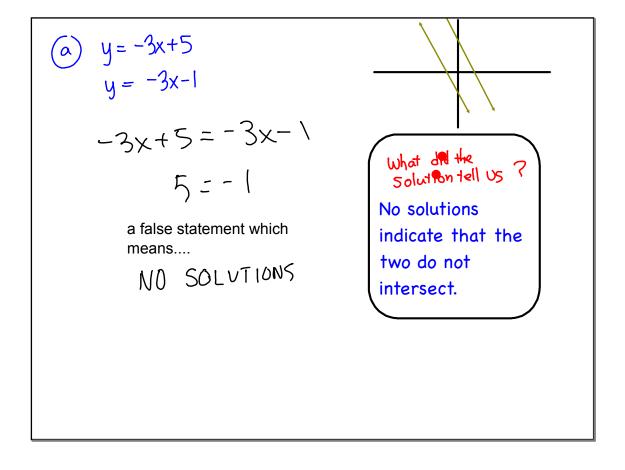
Follow the instructions on the hand out

You can do the work on the hand out or in your own notes. This work will be a good resource for tonight's assignment and upcoming work.



Be on the look out for strategies that your paers are using that are different than yours.





b
$$y = \frac{1}{2}x^2 + 1$$

 $y = 2x - 1$

$$y = \frac{1}{2}x^{2} + 1$$

$$y = 2x - 1$$

$$\frac{1}{2}x^{2} + 1 = 2x - 1$$

$$\frac{1}{2}x^{2} = 2x - 2$$

$$x^{2} = 4x - 4$$

$$x^{2} - 4x + 4 = 0$$

$$x = 2$$

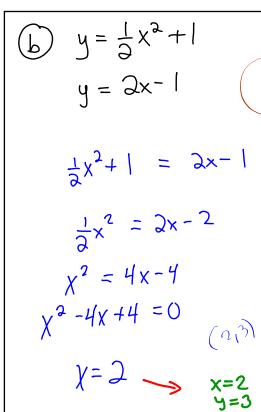
$$y = 3$$

$$x = 2$$

$$y = 3$$

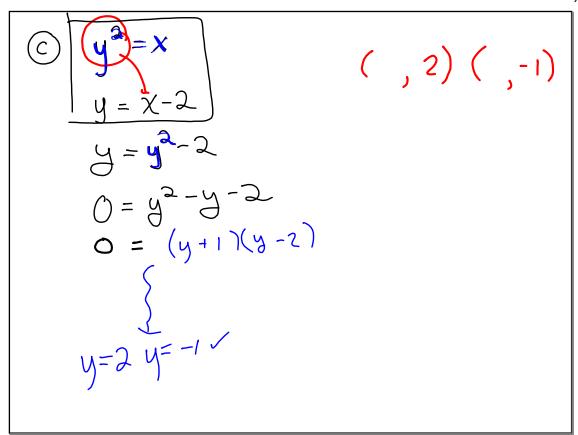
$$x = 2$$

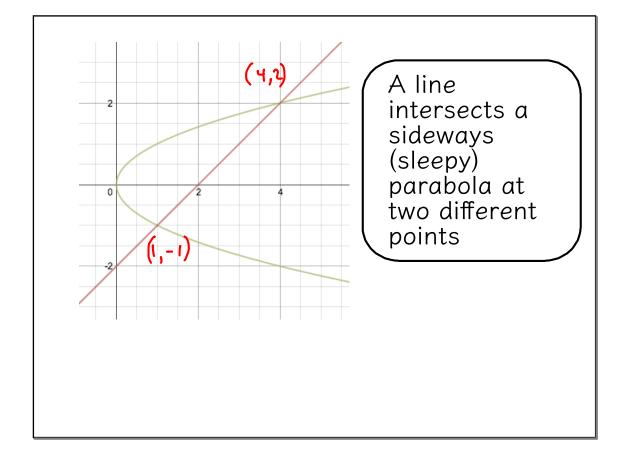
$$y = 3$$



what did the solution tell us?

The line is tangent to the parabola.





d
$$4x - 2y = 10$$

 $y = 2x - 5$

$$4x - 2y = 10$$

$$y = (2x-5)$$

$$4x - 2(2x-5) = 10$$

$$4x - 4x + 10 = 10$$

$$10 = 10$$

$$10 = 10$$

$$10 = 10$$

$$10 = 10$$

$$10 = 10$$

$$10 = 10$$

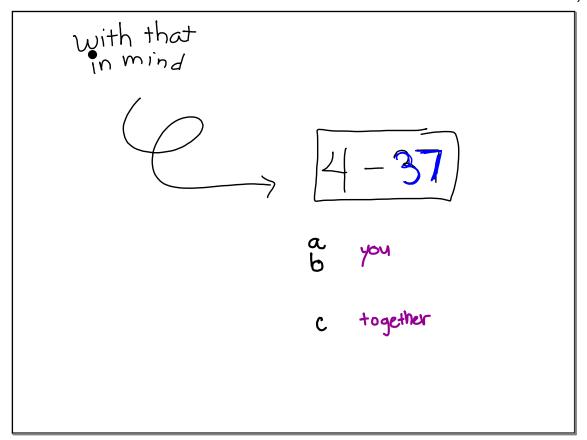
What del the 50 lut fon tell US?

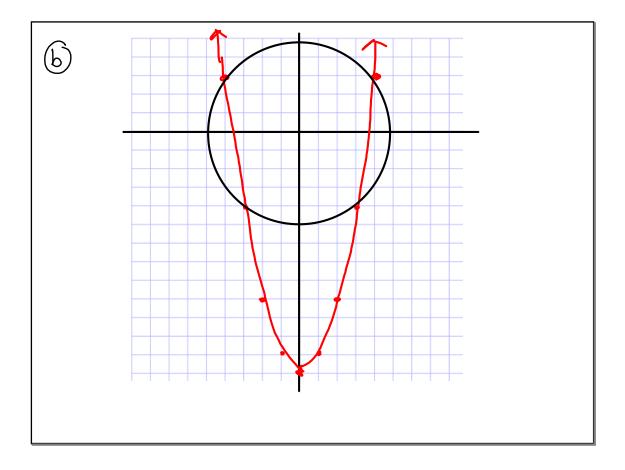
Infinite solutions indicate the same line.

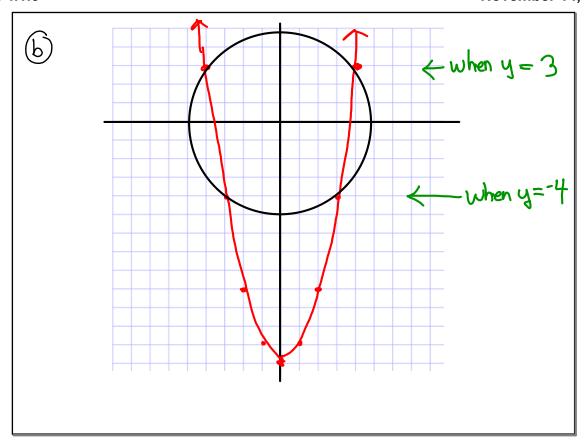
2 minute brain break

$$\chi^{2} + y^{2} = 25$$

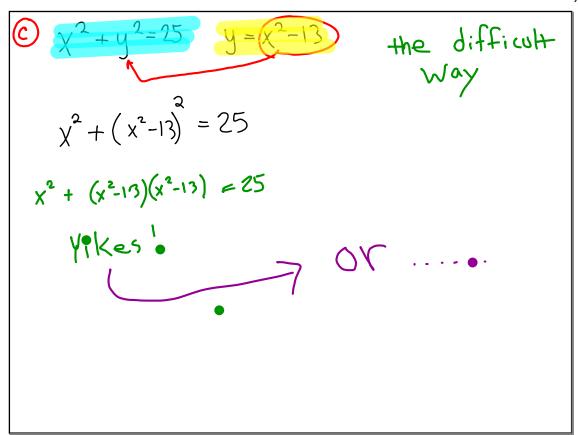
 $y = \chi^{2} - 13$

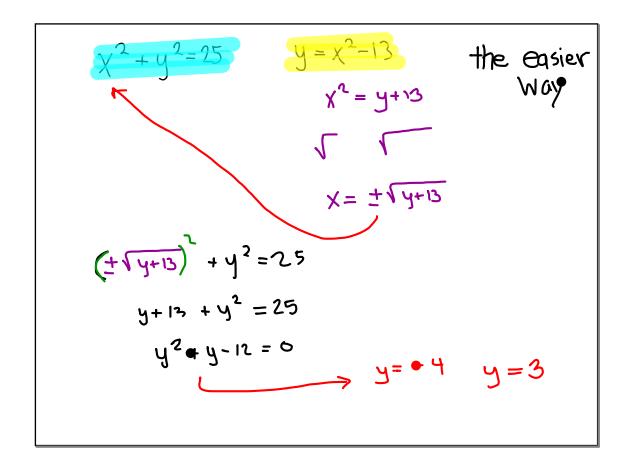


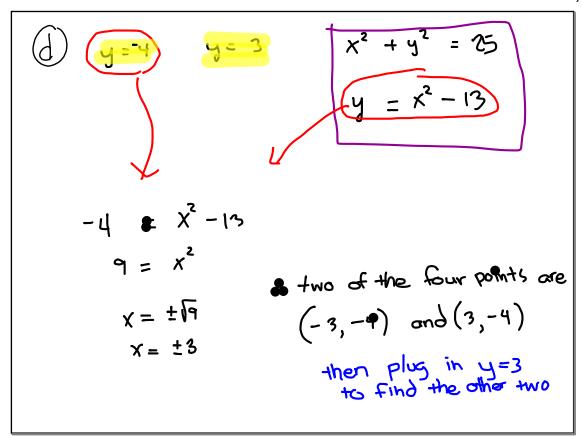




© combine to create new







See your LCQ

Assignment
4.... 40 - 43, 44c

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