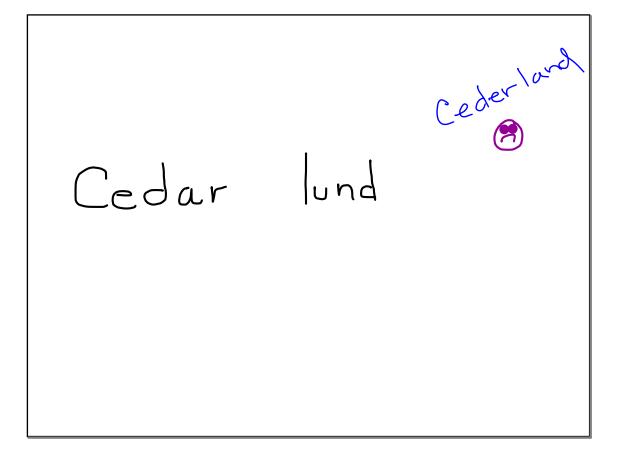


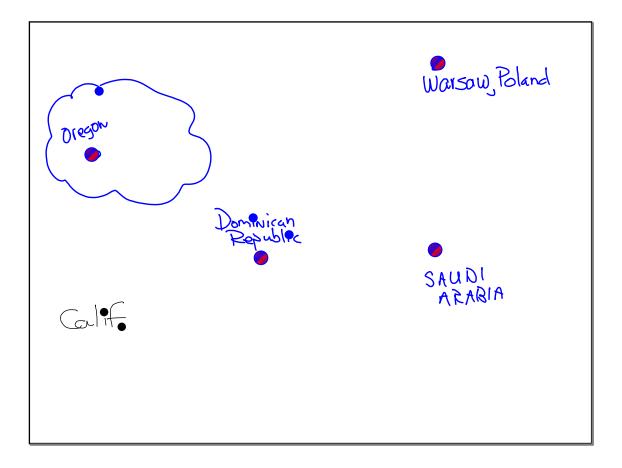
Introduce yourselves to each other in your pods or pairs.









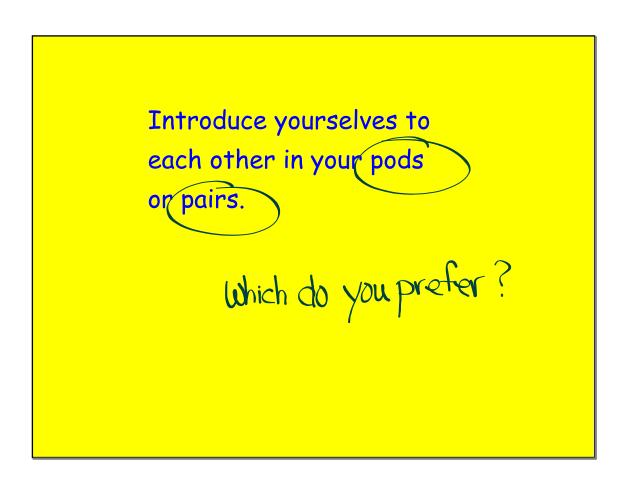


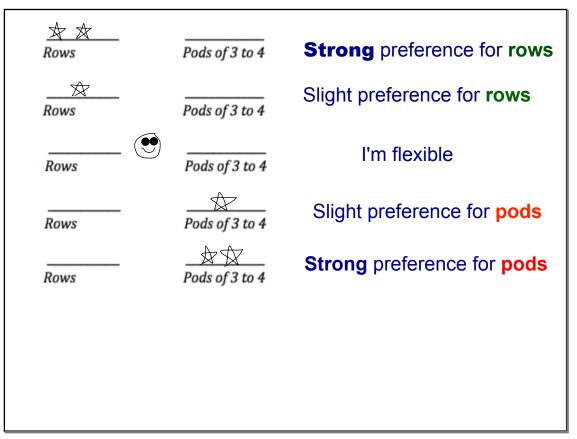
# **Desert Island**

Each person goes around the circle (class) and says one thing they would take with them.

The next person must then name the items before them and add their own item on.

Two groups, one at a time.





# A little about this class.

Algebra 2 might be a step up in complexity for difficulty compared to Algebra 1.

Every single one of you can learn algebra if the conditions are right for you <u>and</u> you work hard.

For most students, it requires giving a significant effort both in class, effort out of class, and not being absent.

For many students, it means getting extra help outside the classroom on a regular or semi-regular basis.

Things you should know about me. I Work Hard I know what I am doing · Patient · Fair · I teach in different ways · I expect a lot of you in class and out of class. · I do "Brain Breaks"

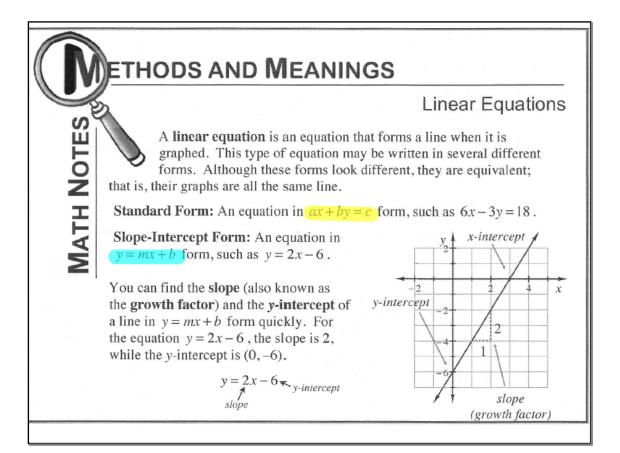
f

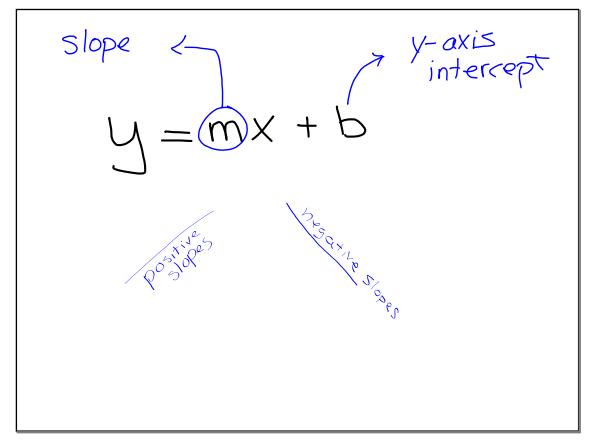
Brain break example

Brain breaks are not a time you should look at your phone.

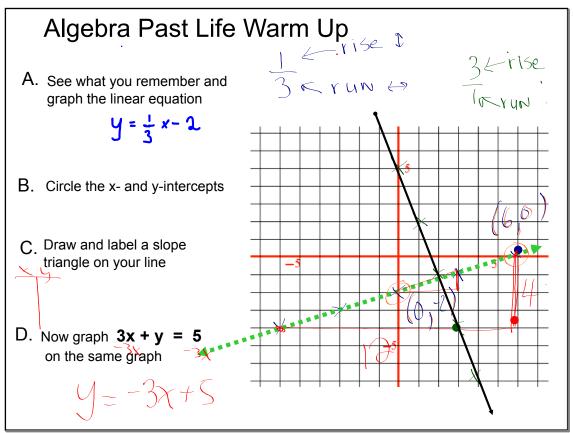
Well Start with Ch. I Review of Transfer Skills from Algebra and Geometry \* Reference sheet \* 1/ Can use on tests and LCO's

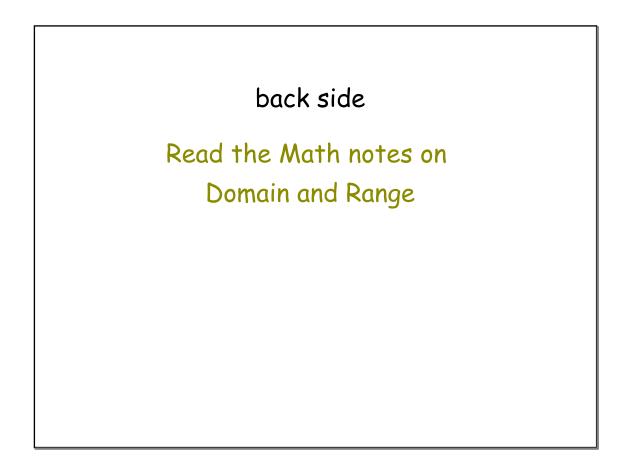
Pick Up the ALGEBRA PAST LIFE Warm Up

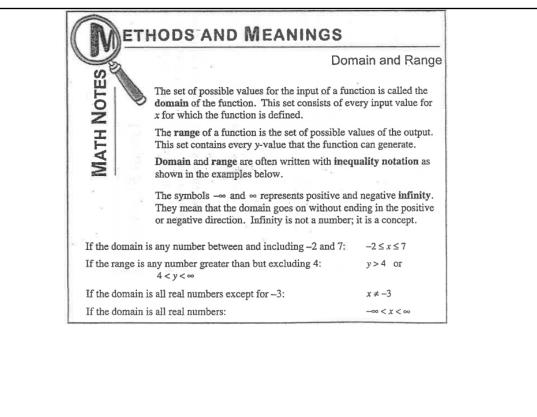


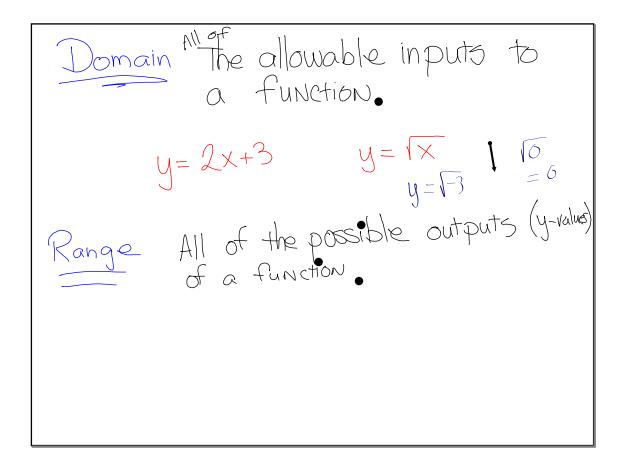


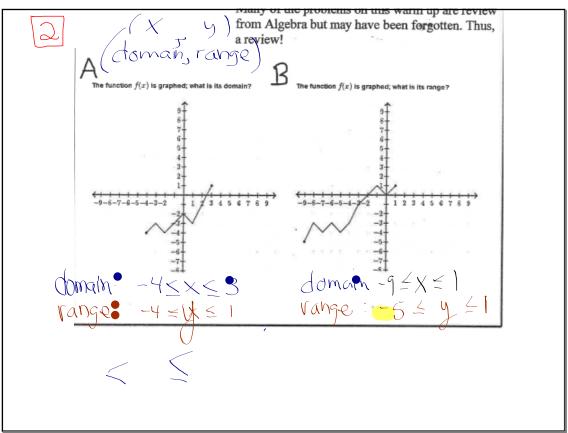
 $5lope = \frac{\Delta y}{\Delta x}$ =  $\overleftrightarrow$ 

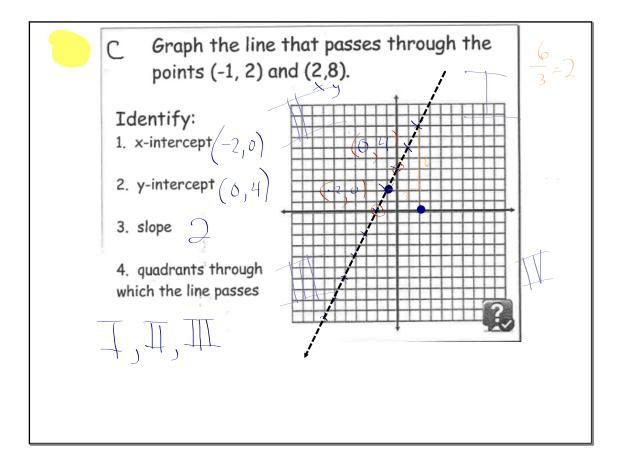


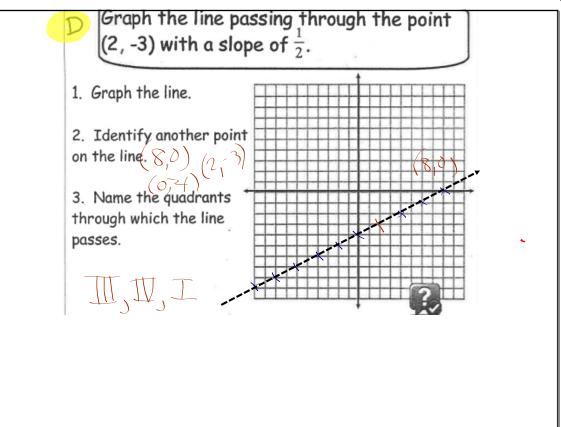




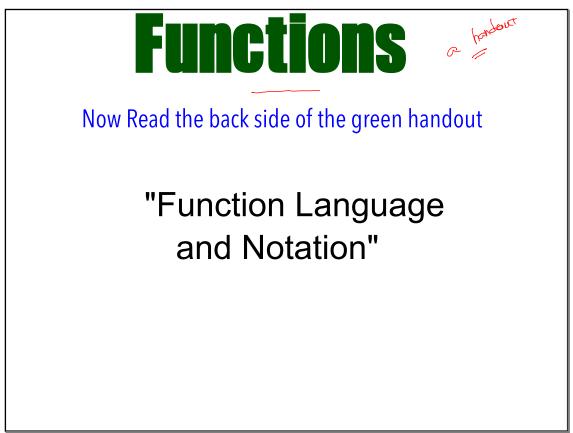






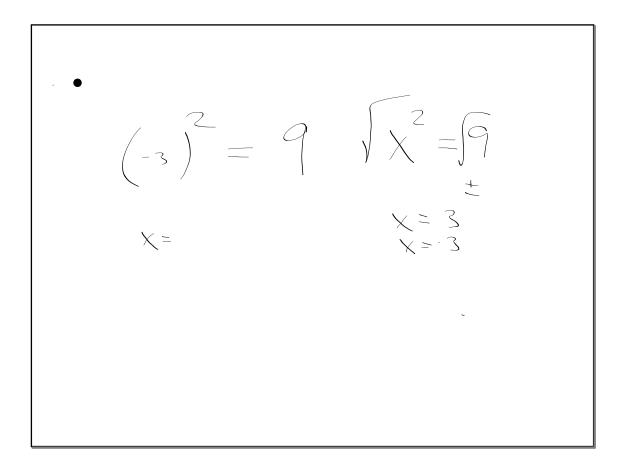


One of the object ?ves today : Get refamiliarized with function language and notation. \_



a) calculate 
$$k(-6)$$
  
 $k(-6) = -\frac{x^{3}}{12} - 1$   $k(-6) = \frac{x}{12} - 1$   
 $= 3 - 1 = \overline{[2]}$   
b) Find x if  $k(x) = 10$   
 $-\frac{x}{2} - 1 = 10$   $k(-22) = 10$   
 $-\frac{x}{2} - \frac{1}{2} = \frac{1}{2}$   
 $-x = 22$   
 $x = -22$ 

(e) solve g(x) = -16 $g(x) = -(x-2)^2$  $g(x) = -(x-2)^{2}$   $-(x-2)^{2} = -16$   $\sqrt{(x-2)^{2}} = -16$   $\sqrt{(x-2)^{2}} = -16$   $\sqrt{(x-2)^{2}} = -16$   $\sqrt{(x-2)^{2}} = -16$   $\frac{x-2}{x} = \frac{x+4}{x}$   $\frac{x-2}{x} = \frac{x+4}{x}$  $q(3) = -(3-2)^2 = -1^2$ = -1 (d) Calculate g(-1)  $-(X-2)^{2} = 100$   $-(X-2)^{2} = -100$   $(X-2)^{2} = -100$   $X-2 = \pm 2$   $X-2 = \pm 2$  $g(-1) = -(-1-2)^2$  $= -(-3)^2$ NO aNSWER TO g =(-9)



# Syllabus.... just the first sheet only today.

### The Benefit

- ✓ Brain training, pure and simple. A part of ye class and not just any part. It will be analyti of you will need to think in analytic terms at
- ✓ For many of you, the skills you learn in this other advanced math classes and careers.

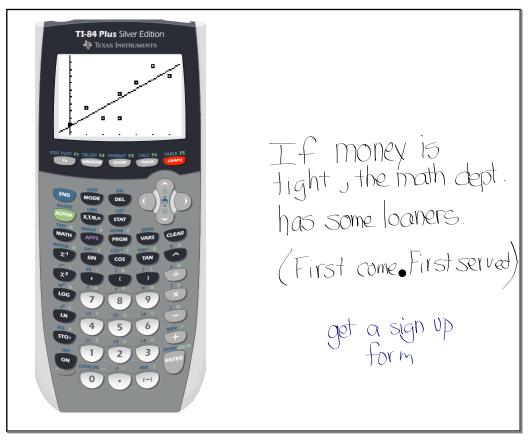
### What's Required?

- ✓ It requires giving a significant daily effort b
- ✓ My belief: Every single student can learn al
- $\checkmark$  For many students, it means getting extra he



### √The Required Materials:

1. Every student must have their own **TI-83 or TI-84 Graphing Calculator** every day in class for use on the assignments. It is important you have yours by Monday of the 2nd week of class. (no cell phones allowed as calculators, at least during class.) If there is no possible way you can get access to one, then you need to let me know privately and I can try to set you up with a loaner available from the Math Department. (There is limited supply so ask within the first day or two of class).



### 2. Notebook/Organization:

✓ You will take and keep notes and examples in your Main Notebook, dedicated to this class only. It should be either a spiral type or bound notebook like a Composition book. No folders. Do not put your | homework in this notebook. Do not put other handouts in this spiral notebook, just notes. Toward the end of the trimester there will be a notebook check for a grade and you will be turning it in for a few days. For those of you who comply the requirements above, you can use your Main Notebook on learning check quizzes and Exit Tickets.

✓ Keep your daily homework from the current chapter organized and together in a <u>separate</u> folder or a <u>separate</u> spiral notebook. You will be turning your HW in. More on that later. Handouts (and other Warm Ups that happen to be on hand outs) should be kept in that same separate folder or notebook.

- Correcting pens (must be of a different color than your HW). Bring your own eraser.
- ✓ Straightedge or ruler for graphs.
- ✓ Textbook (CPM Core Connection Algebra 2.)

## J Algebra 2A Content

- Review of Algebra 1/Geometry Transfer Skills
- Ch.1 Investigations and Functions
- Ch.2 Transformations of Parent Graphs
- Ch.3 Equivalent Forms of Equations
- Ch.4 Solving and Intersections

Bring your syllabus back tomorrow. We'll go over more of it then.

I'm assuming that You'll be getting a TI graphing calculator by next week or that you already have one. You can stay organized - Give a genuine effort both in and out of class.

- Pair UP - Each pair gets a laptop (or you can use your phone) - Follow the instructions on #1 on tonight's HW

# Assignment #1

a Work sheet. You will internet access for #1



# **Pre-Learning Check**

Non-graded (10 points for your efforts) Work quickly, move on if you don't understand. You'll need some type of a calculator.

When finished..... turn it in. You can pick up your text and start the assignment. Max = Max =