

Welcome to:

Algebra 2 Foundations

I'm Mr. Cedarlund



Textbook pick up at : Per 4
1:50^{PM}

roll

Cedar


lund

Cederland

Cedarlund

Cederland

introduce yourselves



Oregon

Wargaw, Poland

California

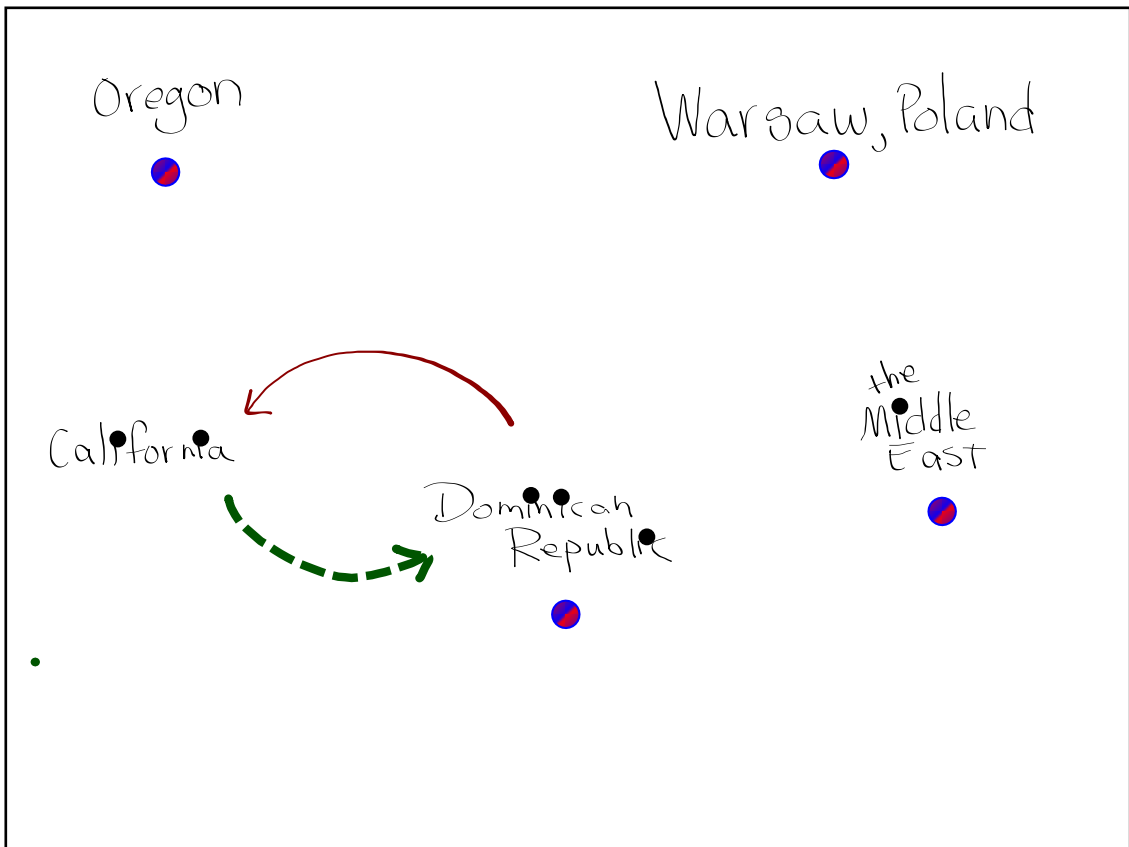
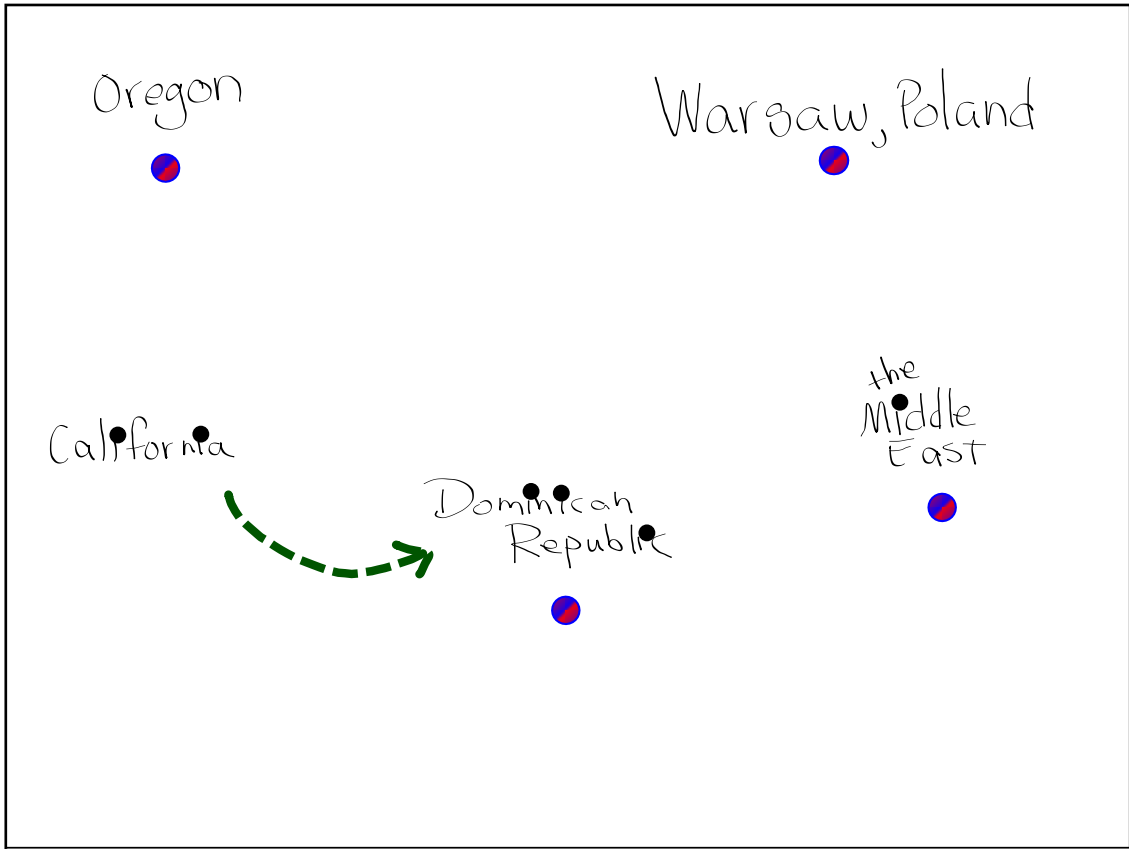
Dominican Republic

the Middle East



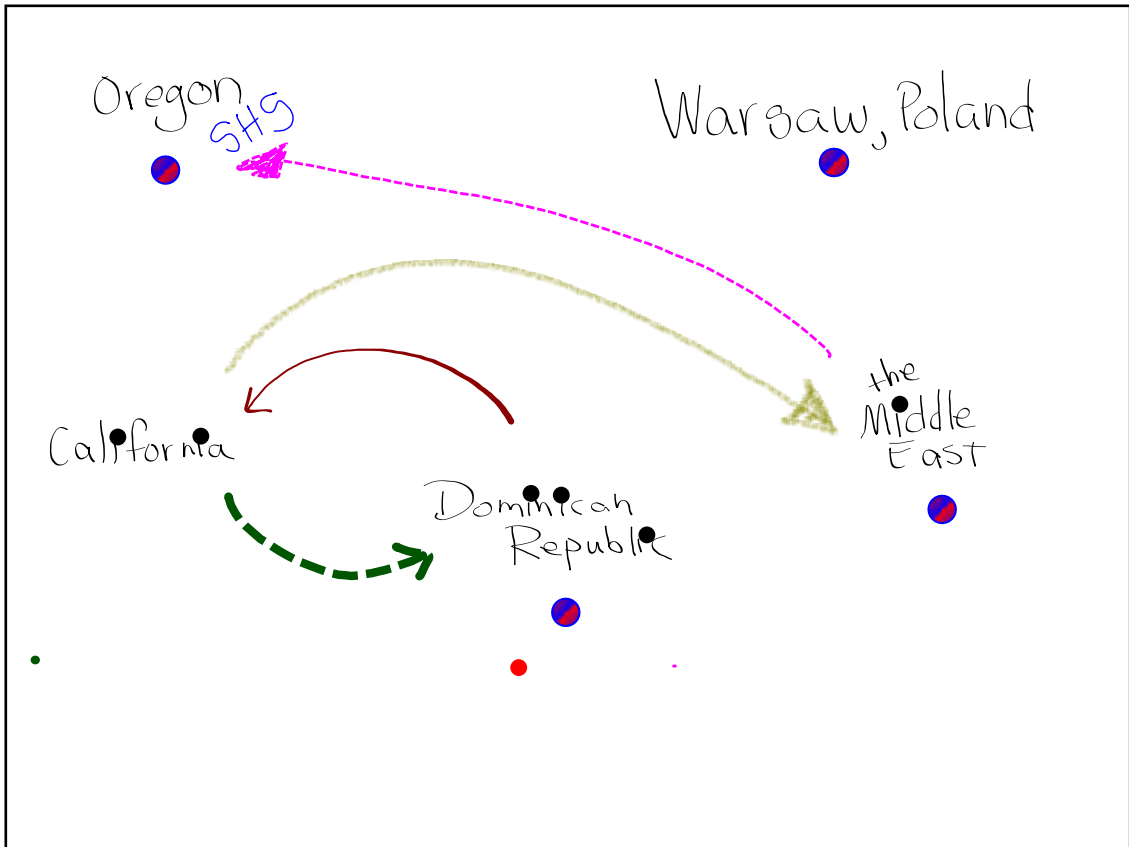
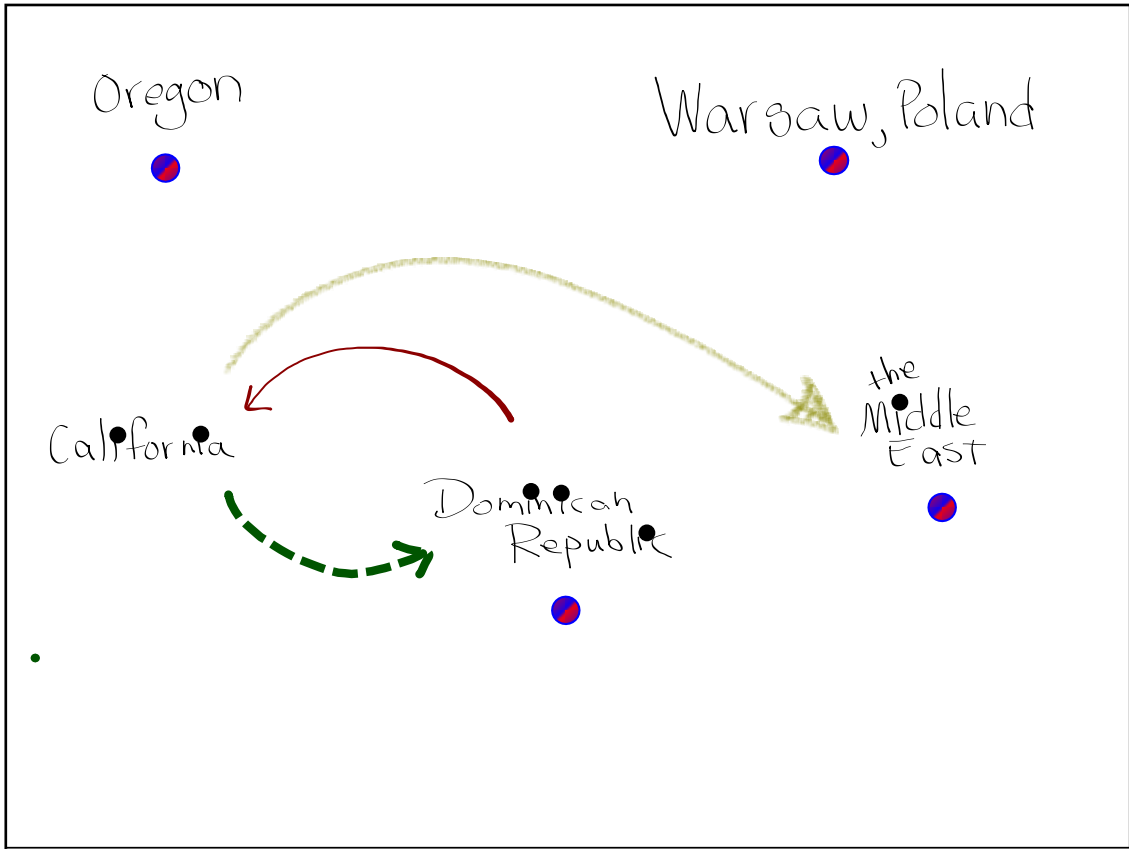
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December 05, 2017



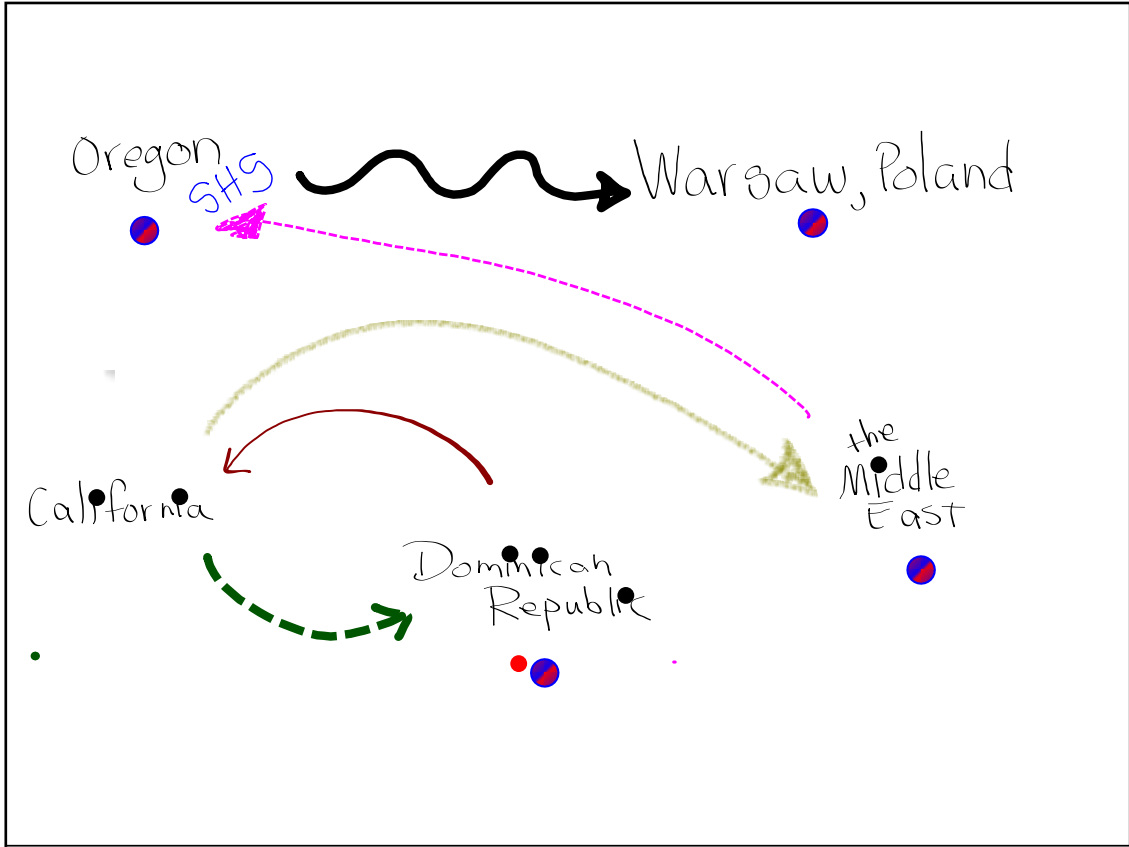
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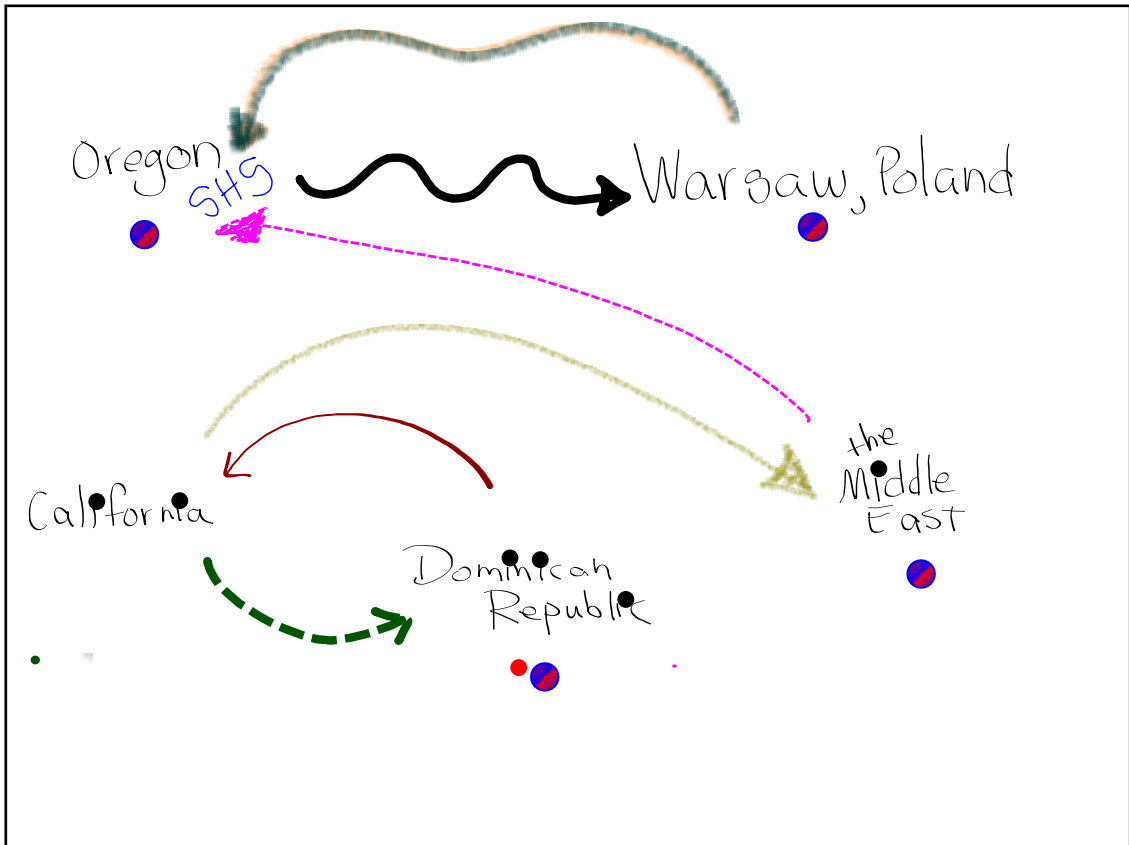
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December 05, 2017





A little about this class.

Algebra 2 Foundations covers most the same material as Algebra 2 but a little less content.

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

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"

We'll go over the syllabus, but only the first sheet only.

①

②

③

④

√Contacting Mr.Cedarlund

E-Mail at: *cedarlund@4j.lane.edu*

Daily Blog : *http://blogs.4j.lane.edu/cedarlund/* for assignments, etc

Phone:(Front Office) 790-6600 ask for Room B-22

To Get Extra Help:

My room on Mon, Tues, Thur, and Fri mornings, 7:50-8:20 am & some days afterschool.

Links for (HW Help and extra practice with examples):

http://blogs.4j.lane.edu/cedarlund/adv-alg-information/

My Belief:

√ Foundations 2A Content

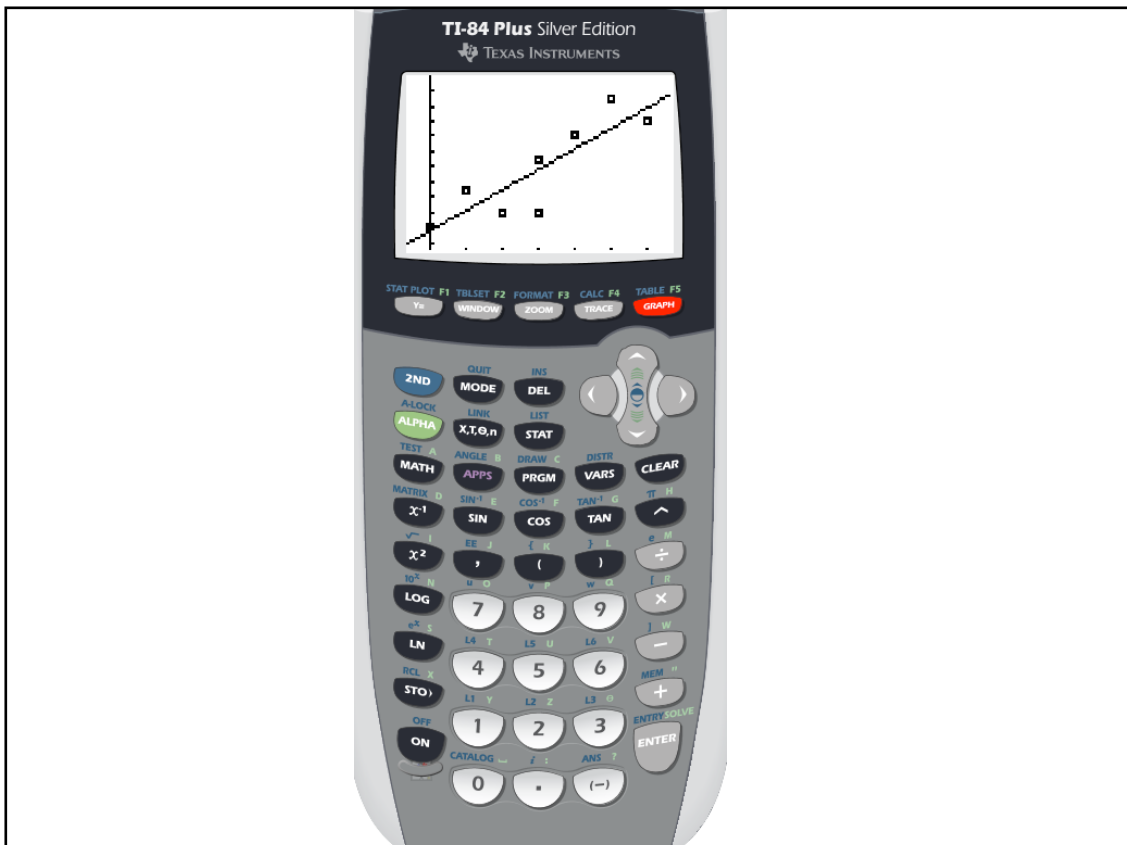
- Review of transfer Skills from Algebra 1 & Geometry that you should already know.
- Ch. 1 Investigations and Functions
- Ch. 2 Transformations of Parent Graphs
- Ch. 3 Equivalent Forms of Equations

√ Foundations 2B Content

- Ch. 4 Solving and Intersections
- Ch. 5 Inverses and Log Function Introduction
- Ch. 6 Solving Log and Exponential Functions
- Ch. 7 Trigonometric Functions
- Ch. 8 Polynomials
- Appendix C: Statistics of 1-variable data

4. The Required Materials for Alg 2 Foundations:

- A. Every student must have their own **TI-83 or TI-84 Graphing Calculator** every day in class for use on the bulk assignments. It is important you have your own 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).

B. Notebook/Organization:

The following three items should be kept separately.

- i. **Notes** must be kept in spiral notebook #1 (includes notes and examples from class).
Toward the end of the trimester there will be a notebook check for a grade. Do not put your homework in this notebook. Do not put other loose handouts in this spiral notebook. If you follow these guidelines you can use your notebook on learning check quizzes (called LCQ's).

- ii. Keep **homework** and other loose handouts like warm ups in a separate folder or notebook, but NOT in notebook #1.

- C. Correcting pens of a different color (than your HW). Pencils and erasers.**
- D. Straightedge or ruler for graphs.**
- E. Textbook (CPM Core Connection Algebra 2.)**

Return your syllabus to the front desk

We'll go over more of it tomorrow.



* Reference Sheet *

First Unit

Review of Transfer
Skills

First test on Thursday, Dec. 15

Today's Goal :

Review

Solving Equations

Take notes but I won't require you to turn them in with your notebook



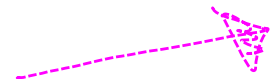
Today's Goal :

Review

Solving Equations

Basic requirements for notes

- ① Write the learning target
- ② Date
- ③ Reasonable Detail



Which of these could be solved to get a numerical answer ?

$$2x - 7 = 6$$

$$3m + 7(2m + 3) = -3m + 2$$

~~$$3x + 2y = 8$$~~

~~$$x^2 + y^2 = 25$$~~

$$x^2 = 16$$

~~$$\frac{1}{3}B + 7 = 18B$$~~

~~$$y = 2x - 7$$~~

B =

it's all about balance

=

1. Simplify each side first
2. Isolate the variable to one side
3. Solve

it's all about balance =

1. Simplify each side first
 2. Isolate the variable to one side
 3. Solve
- but..... if there are fractions, try to eliminate them as early as possible

Examples

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$$\begin{aligned} -12 &= 2 + \underline{5n} + \underline{2n} & -3(4x-8) &= -36 \\ -12 &= 2 + 7n & -12x + 24 &= -36 \\ -14 &= \cancel{7n} & -12x &= -60 \\ -2 &= n & x &= 5 \\ n &= -2 & & \end{aligned}$$

$$\begin{aligned} \cancel{-3}(4x-8) &= \frac{-36}{-3} \\ 4x-8 &= 12 \end{aligned}$$

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$$5 - 2 \cdot (3k - 10) = -2k - 8$$
$$\underline{\underline{5}} - 6k + \underline{\underline{20}} = -2k - 8$$
$$25 - 6k = -2k - 8$$
$$\begin{array}{r} 25 \\ +8 \end{array} = \begin{array}{r} 4k \\ +6k \end{array} - 8$$
$$\begin{array}{r} 25 \\ +8 \end{array} = 4k - 8$$
$$33 = 4k$$
$$k = \frac{33}{4}$$

~~$\frac{8}{4}$~~

B.B.

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$$\cancel{\frac{(4)}{4}d} + \cancel{\frac{(6d)}{4}} = 4(10) - \cancel{\frac{(3)4}{4}}$$

$$d + 6d = 40 - 3$$

$$7d = 37$$

$$d = \frac{37}{7}$$

Seat request
forms

<u>☆ ☆</u> Rows	<u> </u> Pods of 3 to 4	Strong preference for rows
<u> ☆ </u> Rows	<u> </u> Pods of 3 to 4	Slight preference for rows
<u> </u> Rows	 <u> </u> Pods of 3 to 4	I'm flexible
<u> </u> Rows	<u> P </u> Pods of 3 to 4	Slight preference for Pods
<u> </u> Rows	<u> PP </u> Pods of 3 to 4	Strong preference for Pods

6 likes

Assignment #1

a Work sheet.

You will need internet access

-

remember to get
your supplies ASAP

- Spiral notebook
- folder
- supply of paper
GDC

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.

Alg 2, Volume 1