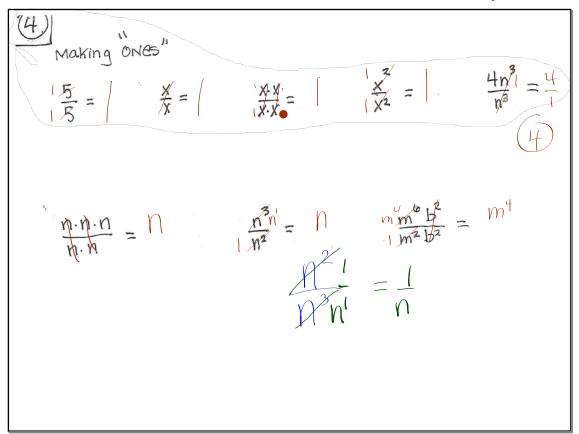


3 Show how to find the y-axis intercept AND x-axis intercept(s) algebraically
of the following function, when you are done, you can check with your calculator.
$$y = x^{5} - 18$$

$$\begin{array}{c} x - \text{ intercept} \\ \text{set } y = 0 \\ x^{5} - 18 = 0 \\ x^{5} = 18 \end{array}$$



$$\frac{z}{z} \cdot \overline{z} \cdot \overline{z} = \frac{1}{z^2} \quad \frac{1}{z^2} \quad \frac{1}{z^2} \quad \frac{1}{z^2} \quad \frac{10x}{3x} = \frac{10}{3x}$$

$$\frac{1}{2^2 \overline{z}^2} \quad \frac{1}{z^2} \quad \frac{10x}{3x} = \frac{10}{3x}$$

$$\frac{1}{2^2 \overline{z}^2} \quad \frac{10x}{3x} = \frac{10}{3x}$$

$$\frac{1}{2^2} \quad \frac{10x}{3x} = \frac{10}{3x}$$

There are seven expenent "laws", two of which can be tricky. (5) $\frac{a}{a^n} = a^{m-n}$ and $(ab)^m = a^m b^m$ $\int \frac{x^5}{x^3} = x^{5-3} = x^2 \text{ or just make "enves" instead } \frac{x^5}{x^3}$ $\int \frac{a^4}{a^6} = q^{-2} = \frac{1}{q^2} \text{ or just make ones instead } \frac{a^4}{a^6} = \frac{1}{q^2}$ $\int \frac{a^4}{a^6} = q^{-2} = \frac{1}{q^2}$

 $(2n^2m)^4 = [6n^8m^4]$ $\int (5x^3)^2 = (5(x^3))^3 = (5x^3)^3 = (5x^3$ $(-3n^2e^3)^2 =$ $(-3^2 \cdot (n^2)^2 \cdot (e^3)^2$ $(9 \cdot n^4 \cdot e^6)$

Your LCQ's will be passed back from yesterday

I

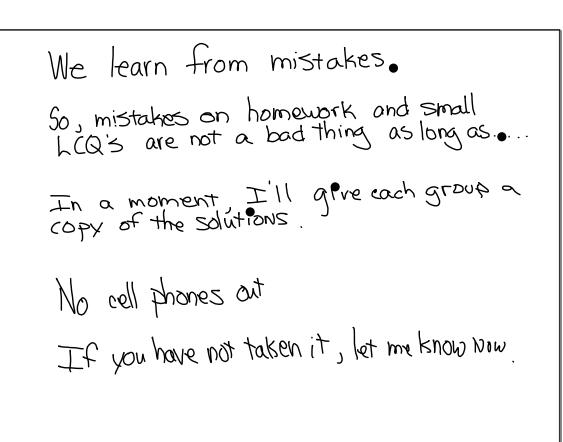
Use the results as an opportunity to learn something little or something big that you don't know how to do.

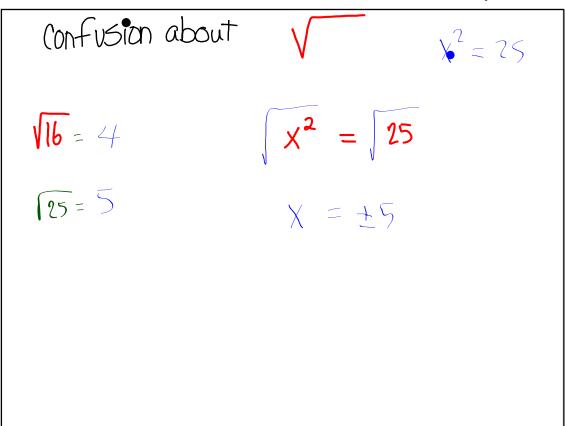
There will be one copy of the solutions near each table.

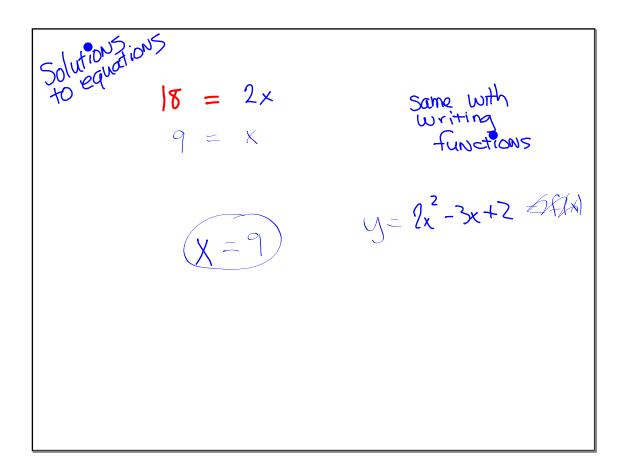
This copy will be collected along with your LCQ at the end of the

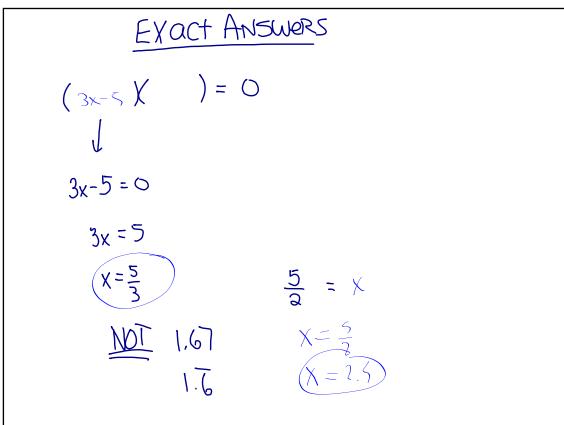
Learning from your LCQ you took on Friday.

first a few thoughts











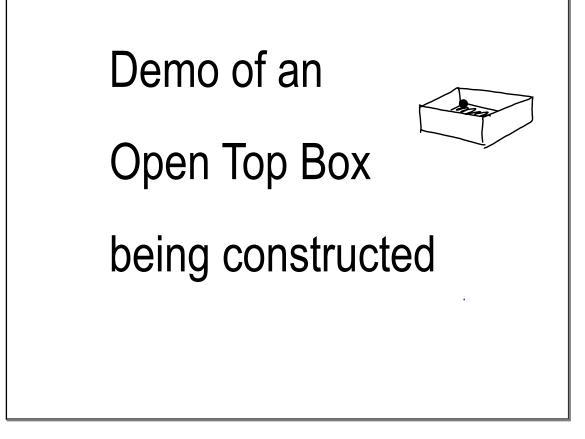
Pencils/Pens

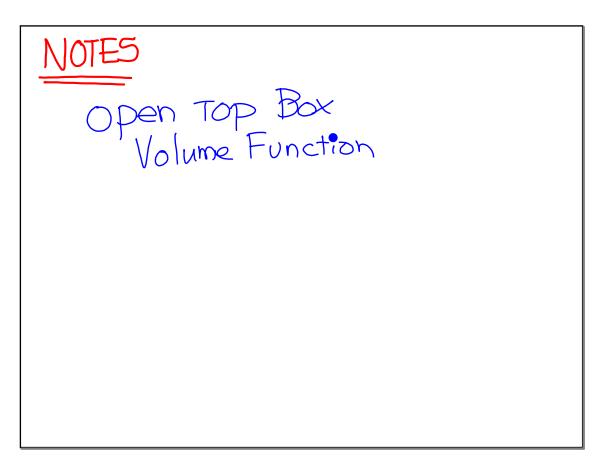
Goals for today

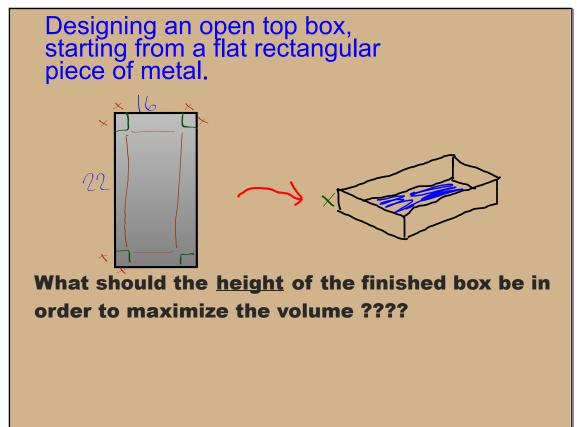
I

Generate an algebraic relationship to investigate a geometric relationship arising from a box problem

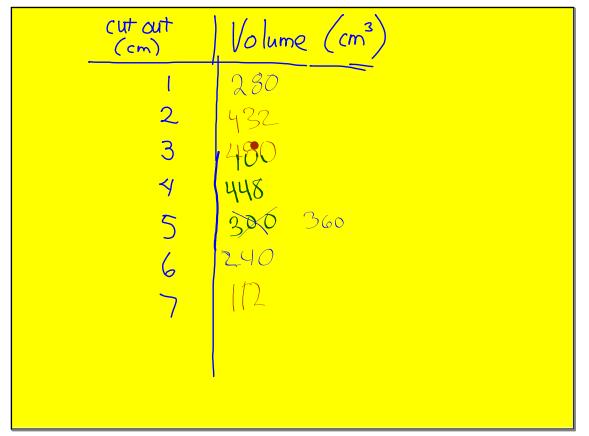
(1.5 day investigation)







Purple	×
White	2×2
Cream	3x 3
Blue	4×4
Dark Brown	5×5
Light Pink	626
Dark Pink	7×7

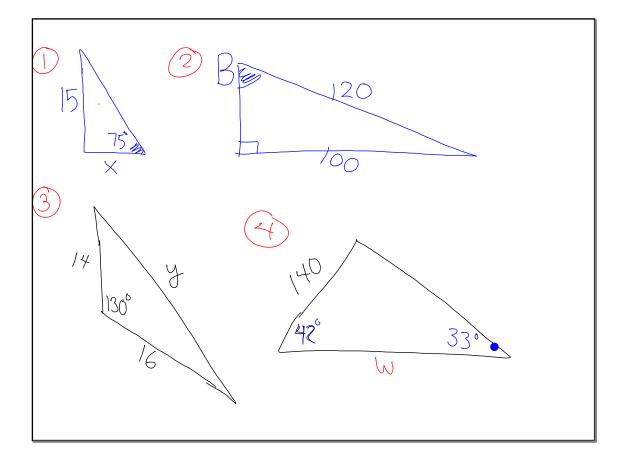


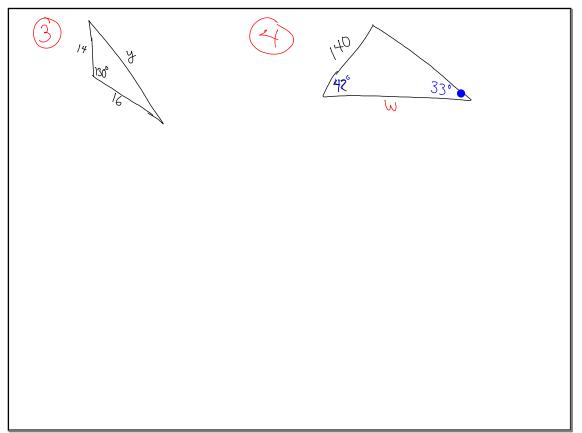
cut out (cm)	Volume (cm ³)	Per.2
1		
2		
3		
4		
5		
6		
7		

cut out (cm)	Volume (cm ³)	(Per 4)
l I		
2		
3		
≺⁄		
5		
6		
7		









If you were absent last class :

don't forget to check the back counter for Class Papers.

Also, don't forget to ask for the solutions to the HW that was due last Friday.

You already checked my blog so you know that we had an learning check quiz yesterday.

