Calculus Project

Overview

Closing Thoughts

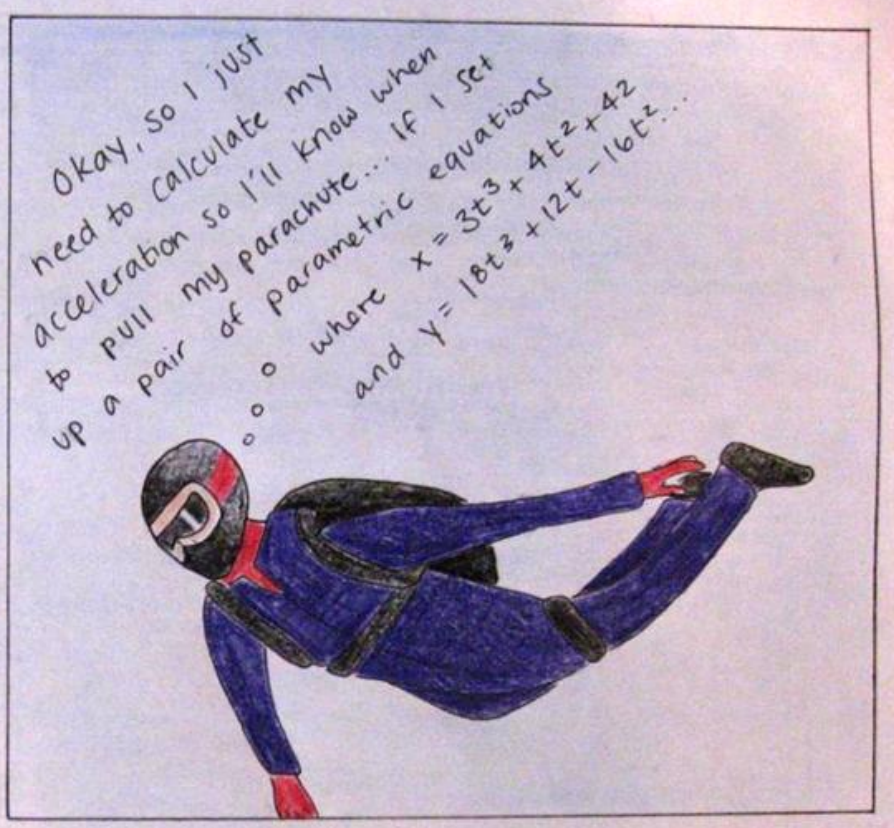
- Be thorough
- Be neat
- Be creative
- Be on time
- Be worthy of the grade you want
- You DON'T have to spend a bunch of $$$ on supplies to have a quality project.

Details are on Handout
READ it!!!

Comic Samples

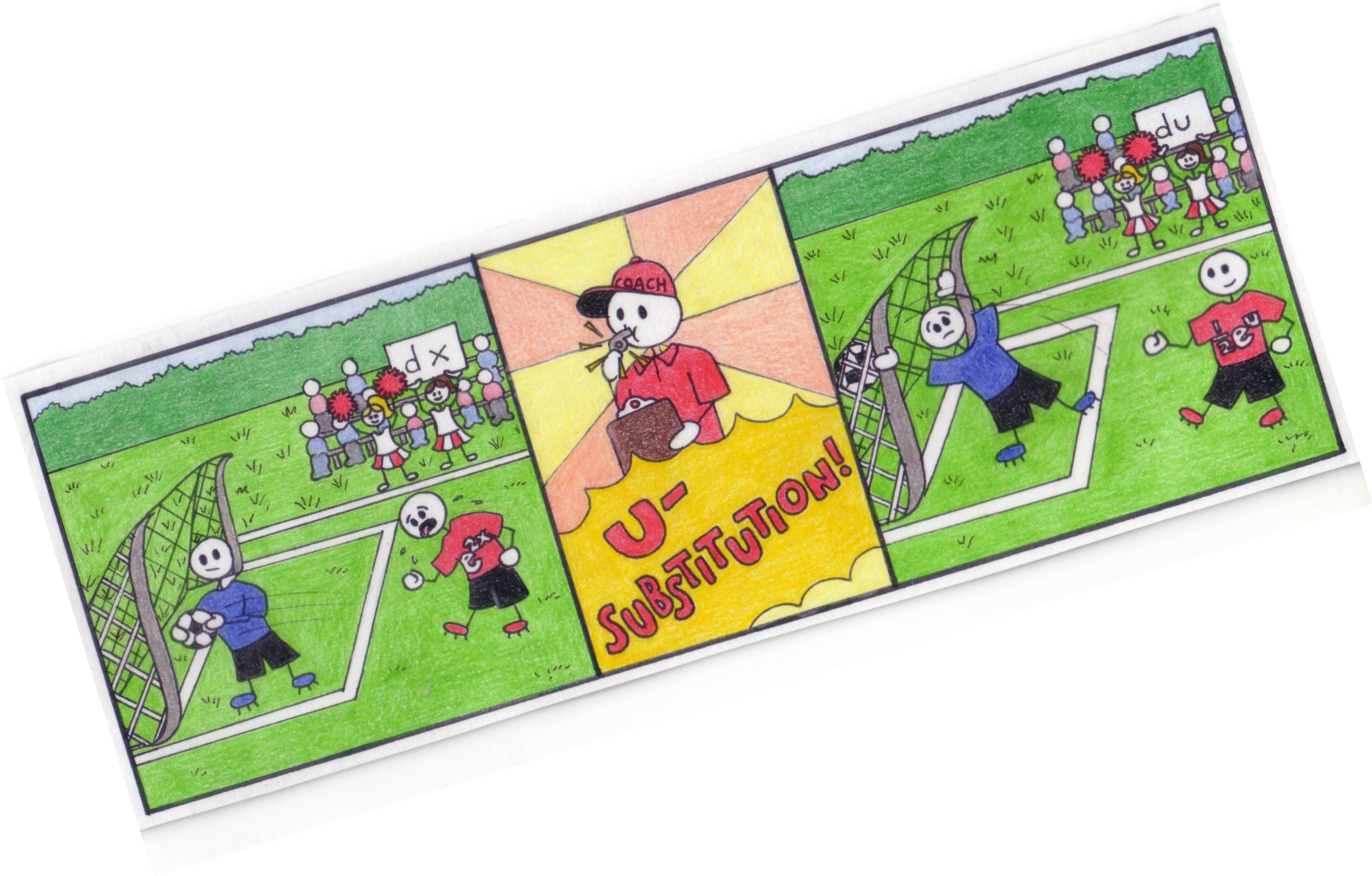
Lincoln's Log

Alicia Nishimoto
Claire Kilmer
Elyse J. Burk



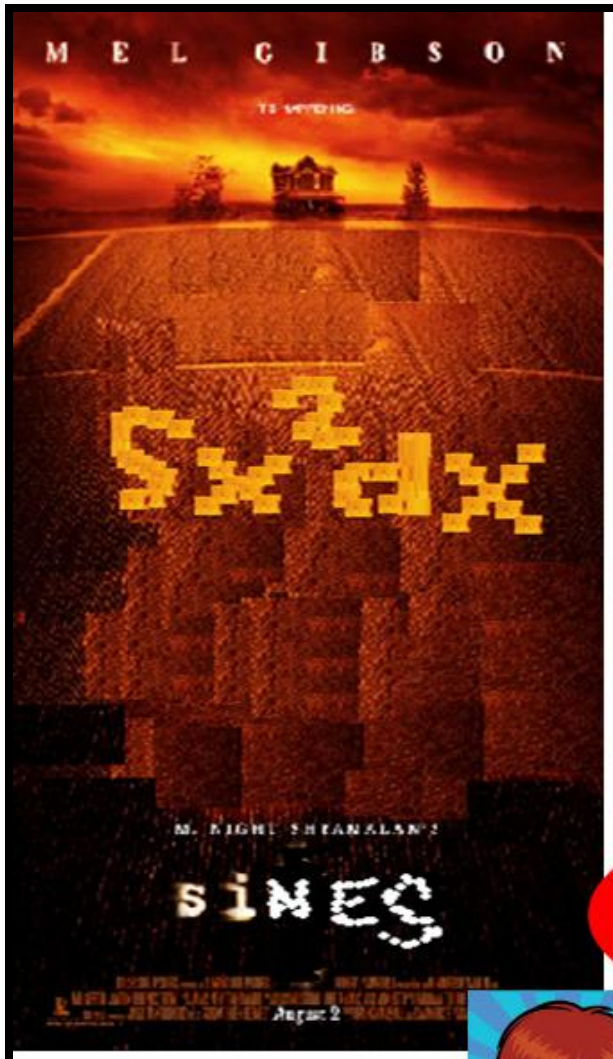
I'll take the first derivative of them for a velocity of $x' = 9t^2 + 8t$ and $y' = 54t^2 + 12 - 32t$... Then, the second derivative of that for the acceleration would be $x'' = 18t + 8$ and $y'' = 108t - 32$.

SO, with all that figured out, I should pull my parachute when $t = \ldots$


dx
COACH
U-
SUBSTITUTION!
du

What not to do

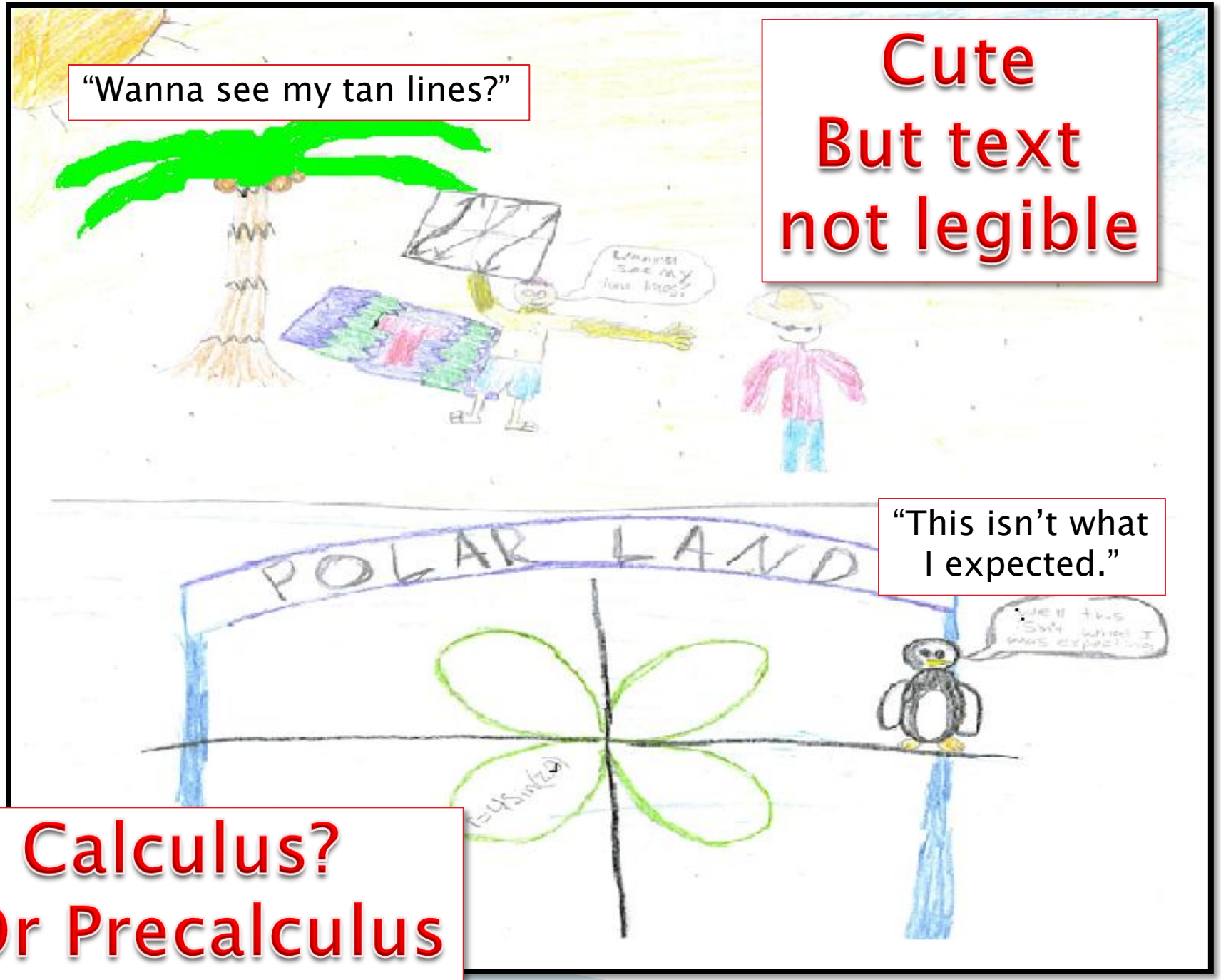
No calculus reflected
Poor effort
Not funny



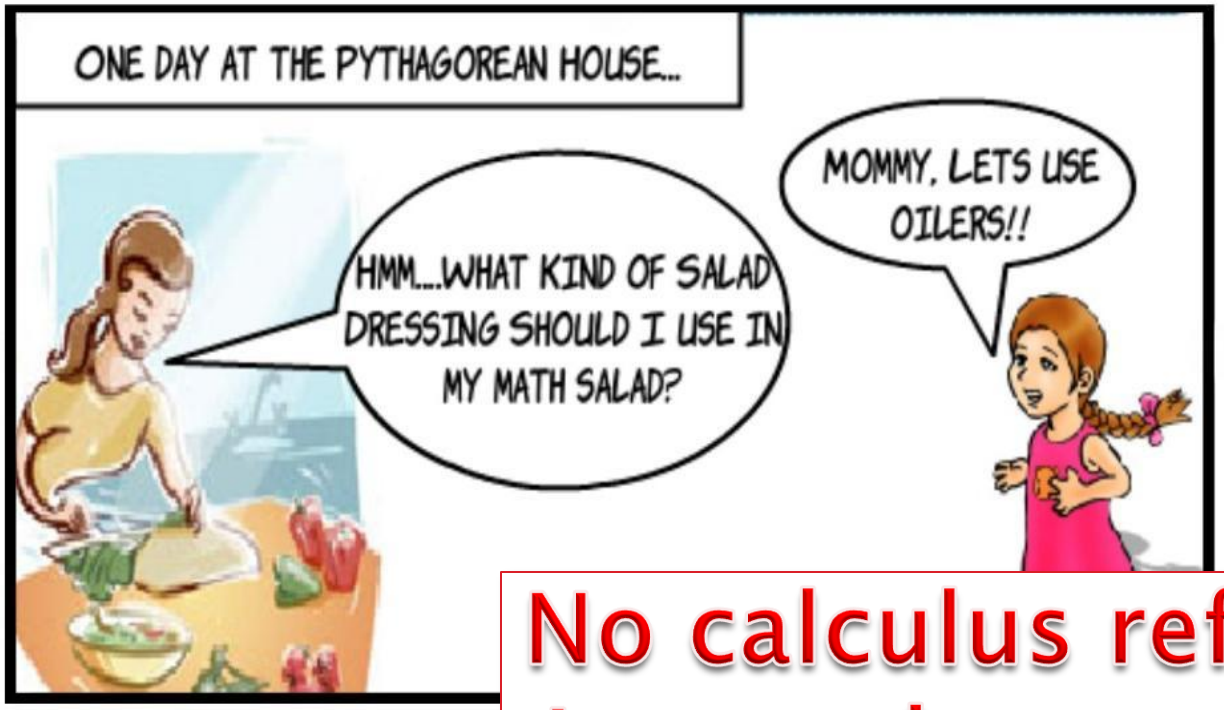
Have you seen that movie Sines?

No! But I heard its full of Calculus!

Gasp

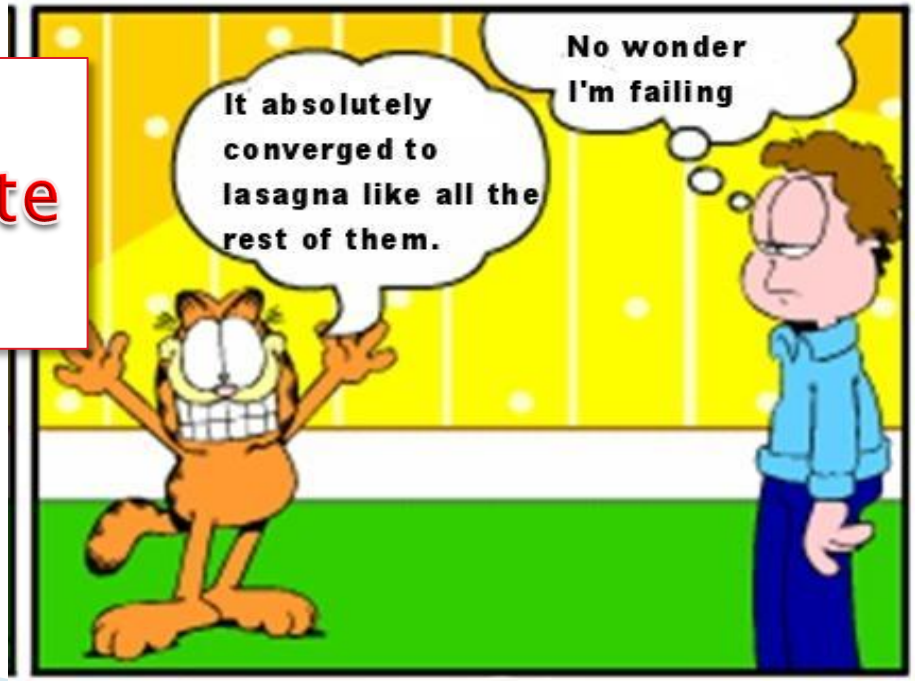

"Wanna see my tan lines?"
Cute
But text
not legible
POLAR LAND
"This isn't what
I expected."
Calculus?
Or Precalculus

Aryabhata & Eulers



No calculus reflected
Just a play on words

Clever
Doesn't really incorporate
A calculus topic

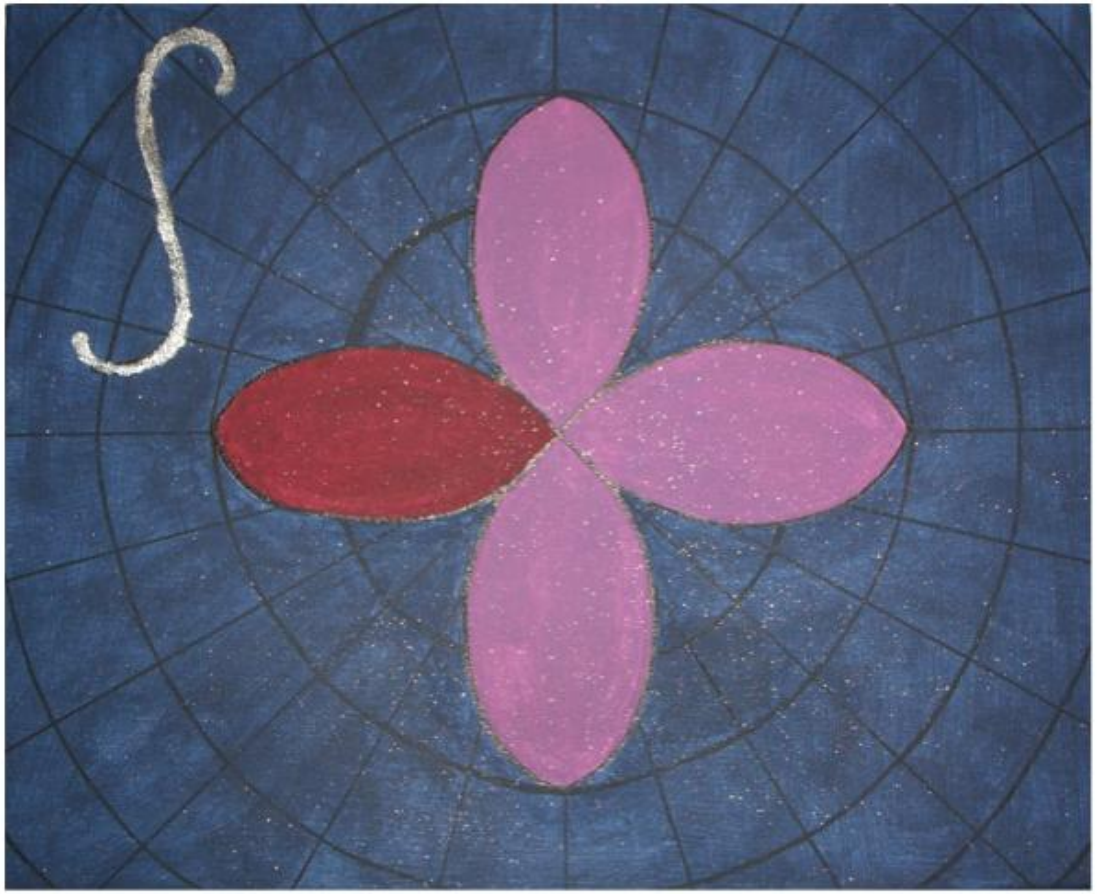


Art Samples

Taylor Series written over and over!
NICE but was on flimsy board so did not hold up.

Very effective

Clearly indicates the topic of rotated solid without the use of equations ON the art.

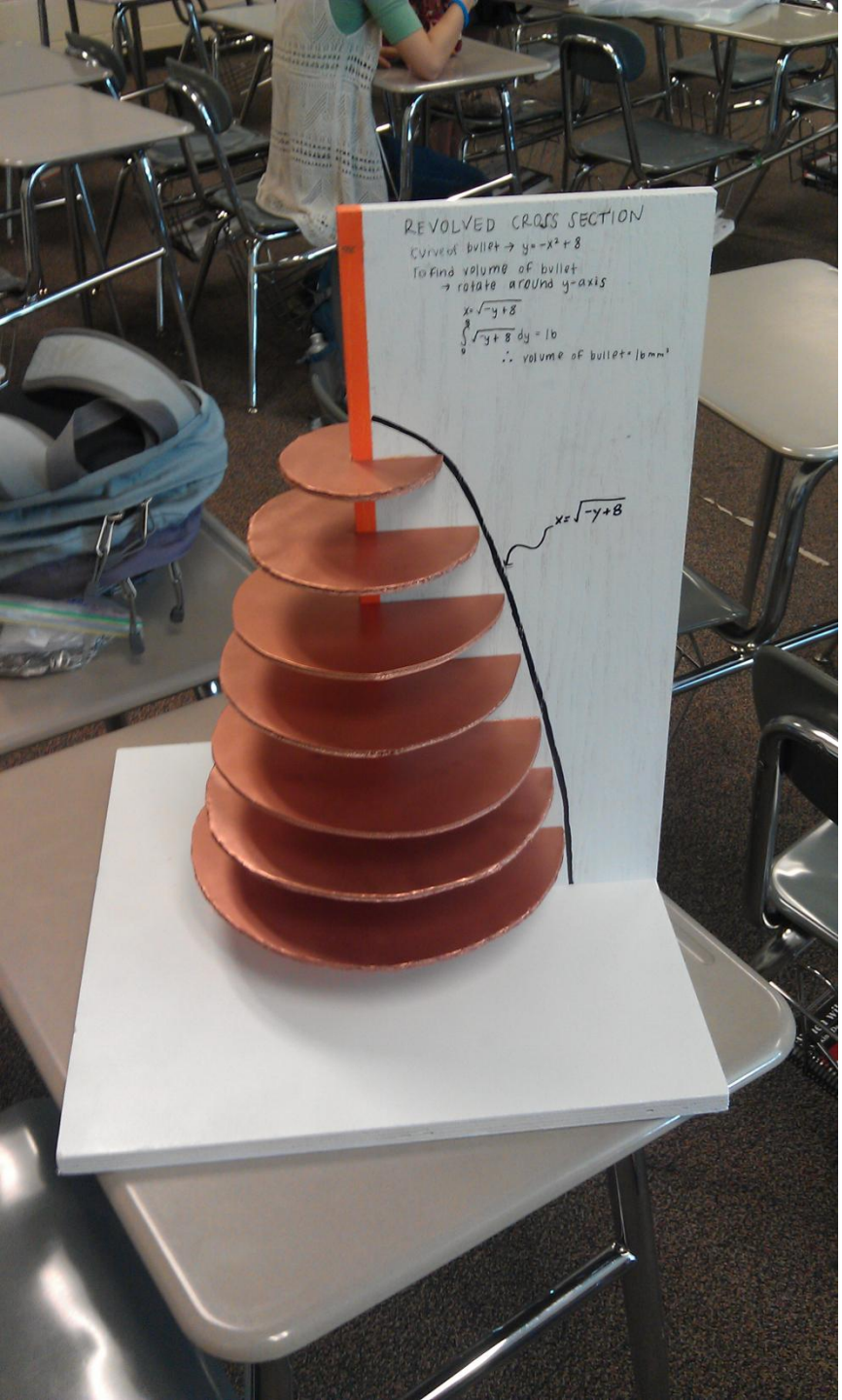


Very effective

Use of symmetry to find area bounded by polar curve

With a math hint:

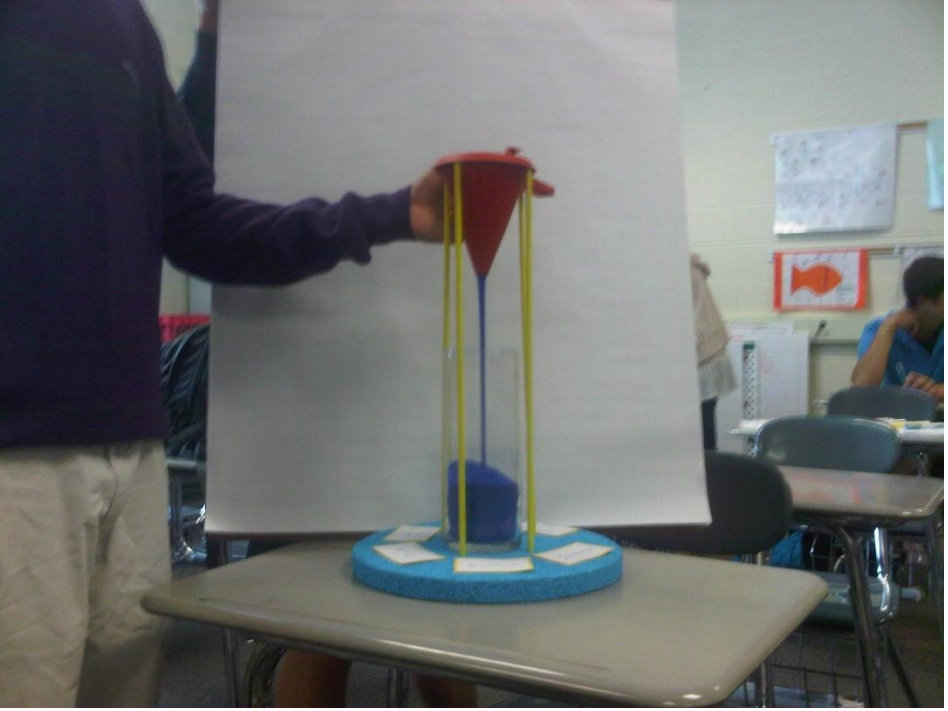
Integration symbol



Good job

Would have been PERFECT if . . . .

The math equations had been left off but addressed in the writeup.



Nice idea

But a bit science project like

And without the math equations a viewer does not really know what is being demonstated.

What not to do

Good idea
Flimsy construction

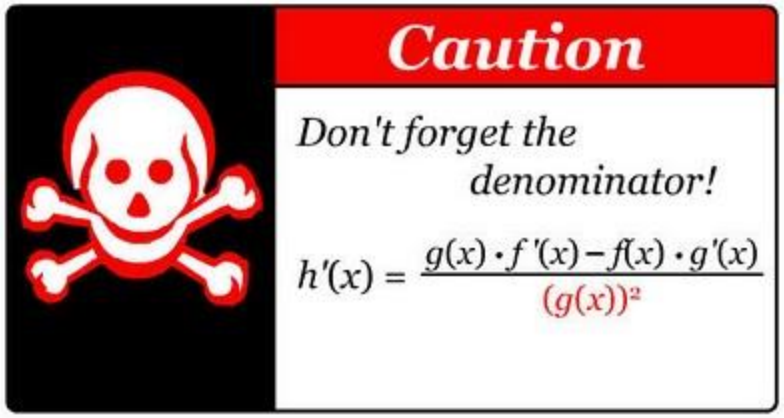
Poor construction
Did not clearly communicate

No food projects!

Good idea
Middle School Like

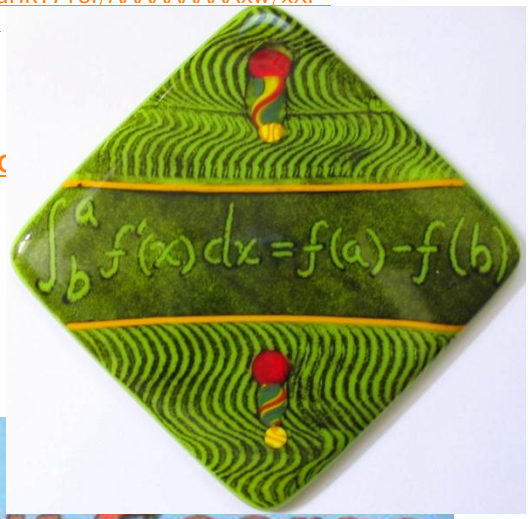
BE ORIGINAL!!!
DON'T JUST COPY FROM THE INTERNET!

You would be violating the honor code

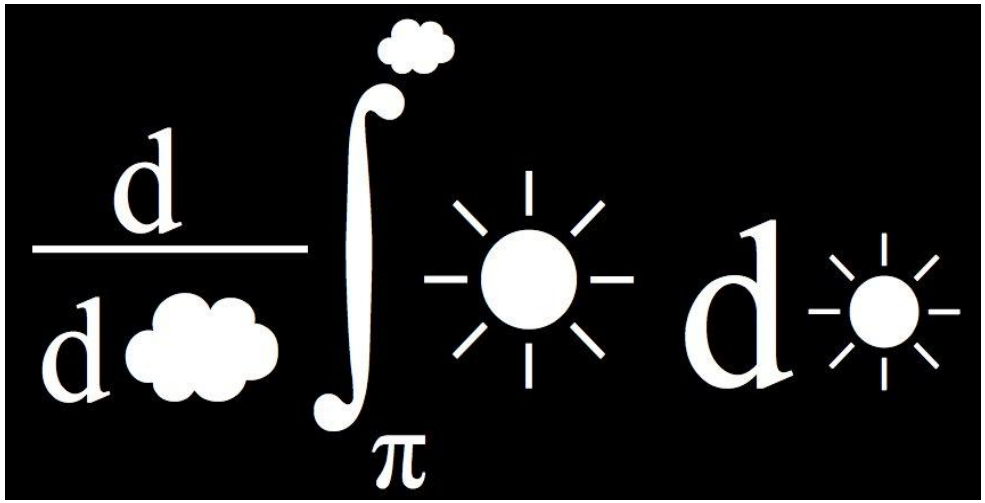


http://2.bp.blogspot.com/_6ZFbuBhvFHk/Rw_dHRT7Y8I/AAAAAAAAAxw/xXF-hcfJzs4/s400/calculus%2Bphobe%2Bvideo2.jpg

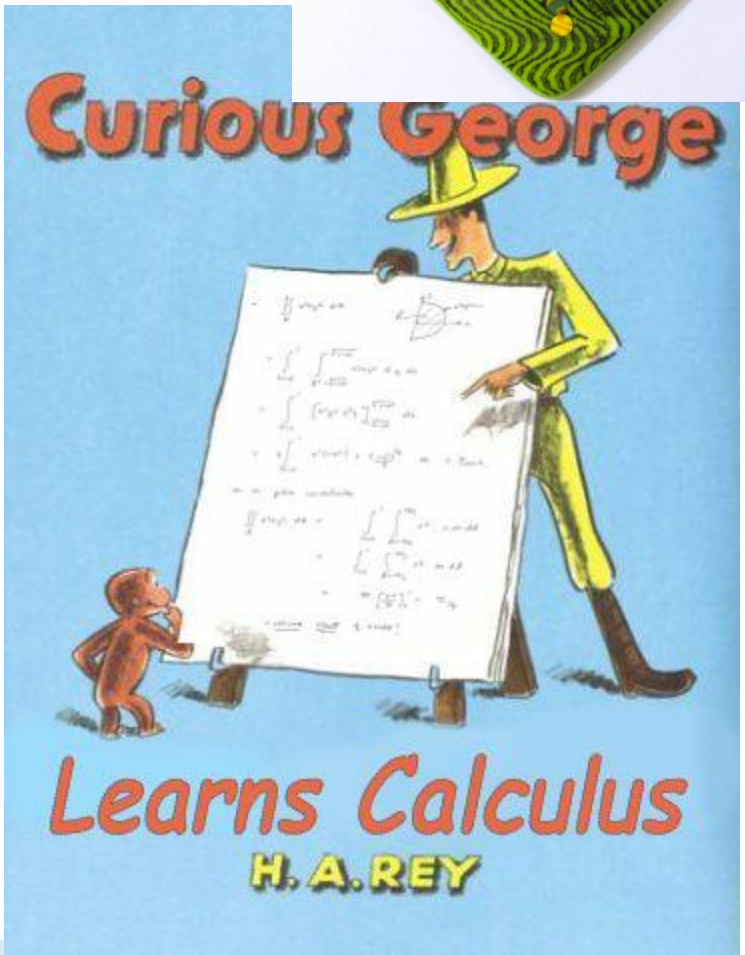
http://www.lostartoriginals.com/Classes/FT_Calculus.jpg



The Quotient Rule



http://blogs.edweek.org/edweek/eduwonkette/upload/2008/07/DefeatTheSunwithCalculus-full.jpg



http://www.math.buffalo.edu/~sww/classes/curiousgeorge-calculus.jpg