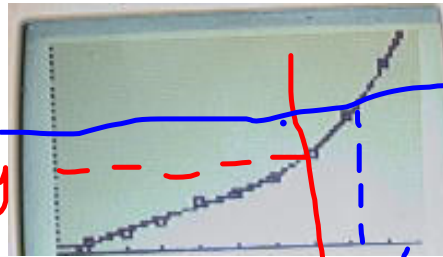


Left = ∞

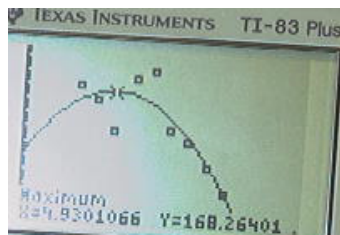
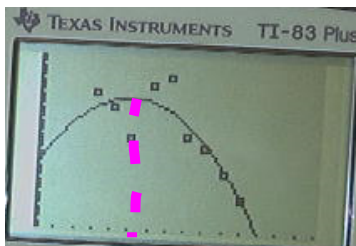
Right = 0

```
Plot2 Plot3
\Y1=0.01132721445
22X^4+-.25068641
54361X^3+2.06837
4805747X^2+-5.90
83943926342X+6.3
95156565644
\Y2=0.06647558922
```



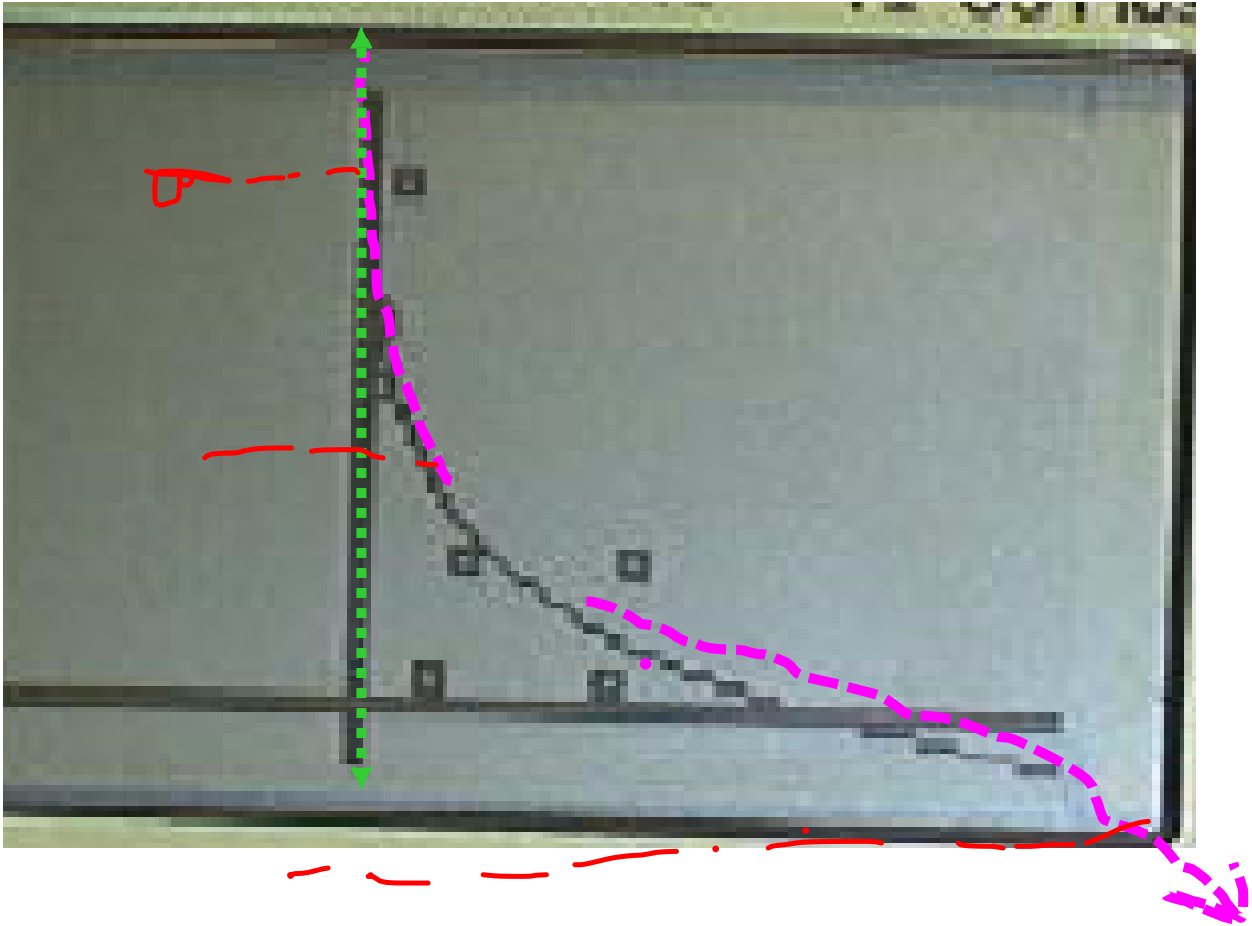
solve

eval



- $x = -b/(2a)$ or





domain: $(0, \infty)$

range: all real numbers from shooting the graph

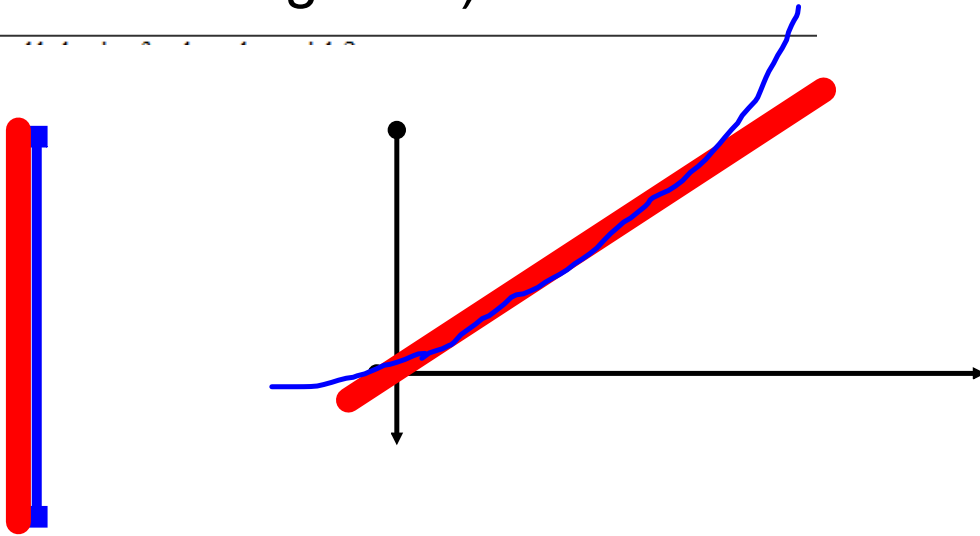
6. Did the student evaluate (predict) and solve for a value of one of the polynomial regressions
Which two regressions did you pick? reg1 and reg2(linear)

What value are you plugging in for x? x=1970 (year I was born)

What y-values did you get? _____ and _____

What y value are you predicting? y= 1 billion dollars (i am interest in

What x-values did you get? _____ and _____
making 1 bill)



Warshany, Cynthia A. / Day 18, Date Submitted: 11/06/2014

[\[Close window\]](#)**6. Finding values of trigonometric functions given information about an angle: Problem type 3**

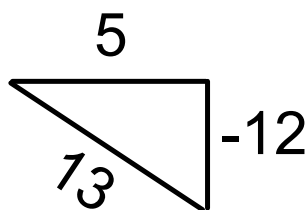
Let θ be an angle in quadrant IV such that $\tan \theta = -\frac{12}{5}$.

Find the exact values of $\cos \theta$ and $\csc \theta$.

You answered:

$$\cos \theta = \frac{5}{13}$$

$$\csc \theta = \frac{-13}{12}$$



3. Determining the location of a terminal point given the signs of trigonometric values

Determine the quadrant in which the terminal side of θ lies.

(a) $\cot \theta < 0$ and $\sin \theta > 0$ 2,4 (choose one) 1,2	2
(b) $\csc \theta > 0$ and $\cos \theta > 0$ 1,2 (choose one) 1,4	1

You answered:

The screenshot shows the user's answers to the problem:

- For (a) $\cot \theta < 0$ and $\sin \theta > 0$, the user selected "quadrant I".
- For (b) $\csc \theta > 0$ and $\cos \theta > 0$, the user selected "quadrant II".

The background shows a SMART Notebook workspace with a diagram of a right triangle with a horizontal leg of length 12, a vertical leg of length 5, and a hypotenuse of length 13. The angle θ is shown in the first quadrant. The workspace also contains some text and a toolbar.

Sum and Difference

Sum and Difference Identities:

$$(1) \sin(x + y) = \sin x \cos y + \cos x \sin y$$

$$(2) \sin(x - y) = \sin x \cos y - \cos x \sin y$$

$$(3) \cos(x + y) = \cos x \cos y - \sin x \sin y$$

$$(4) \cos(x - y) = \cos x \cos y + \sin x \sin y$$

$$(5) \tan(x + y) = \frac{\tan x + \tan y}{1 - \tan x \tan y}$$

$$(6) \tan(x - y) = \frac{\tan x - \tan y}{1 + \tan x \tan y}$$

Rule	X
Algebra	?
Reciprocal	?
Quotient	?
Pythagorean	?
Evaluation	?
Sum and Difference	?