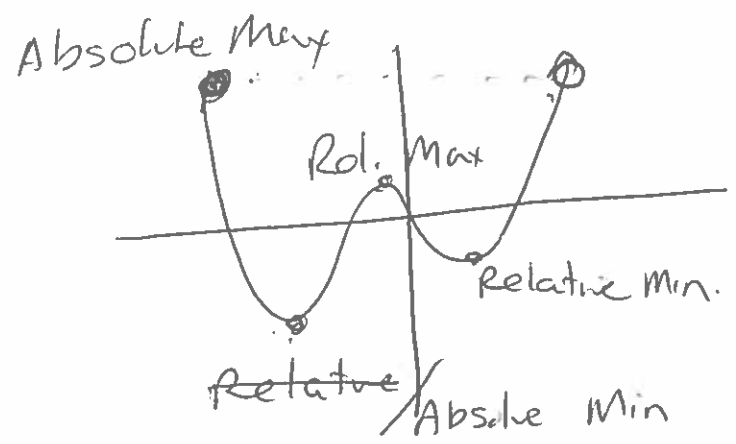
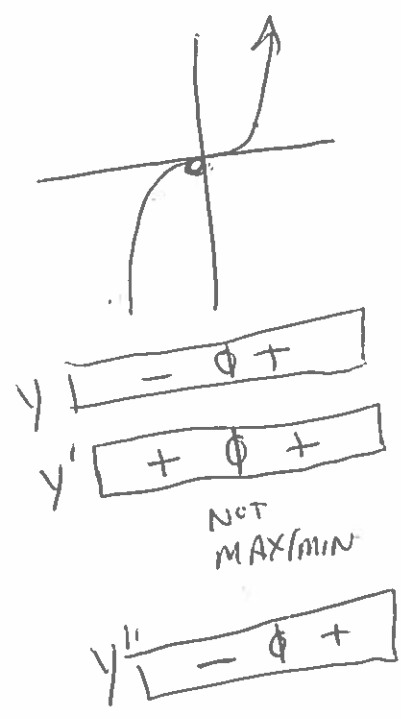
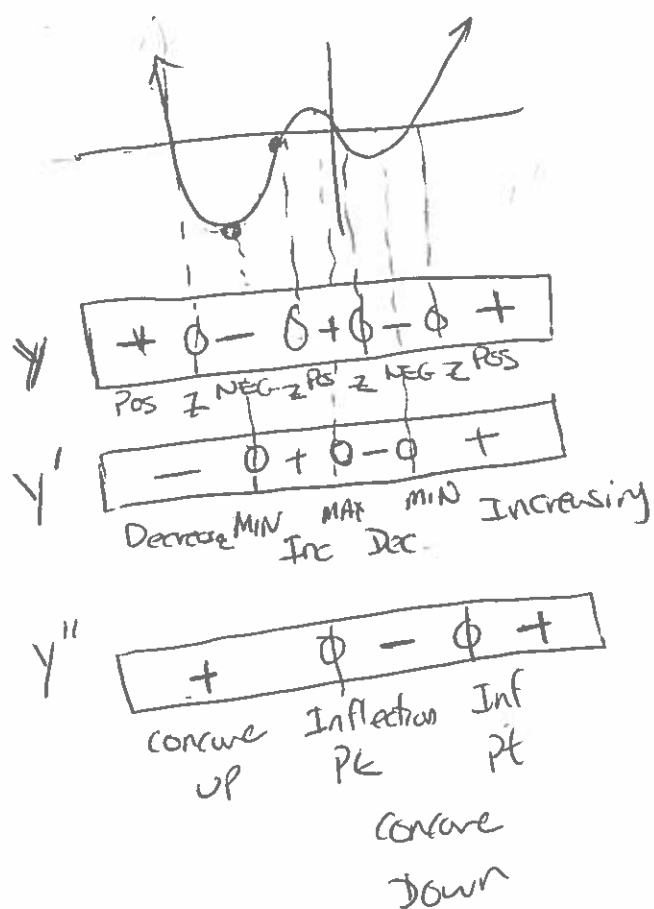


Analysis / Graphs

ZEROS, END BEHAVIOUR, ASYMPTOTES, INTERCEPT
 Increasing / Decreasing / Max / Mins

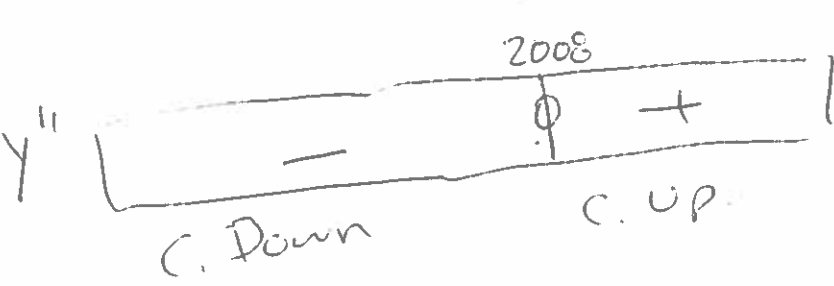
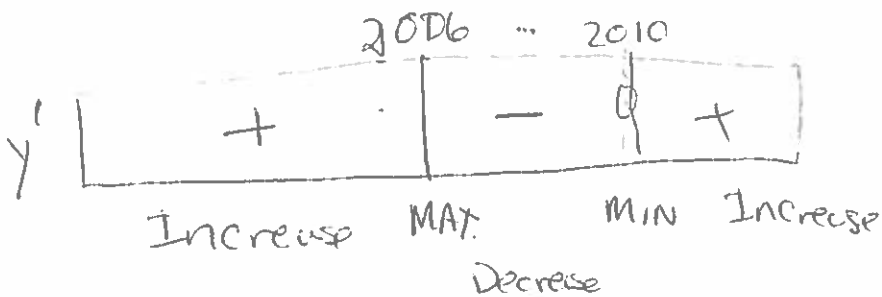
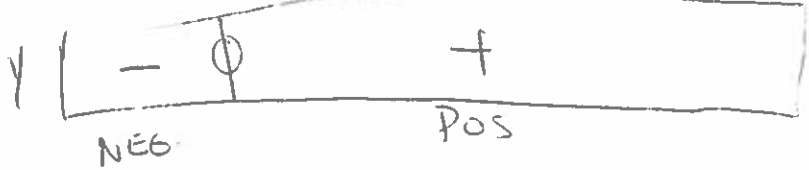
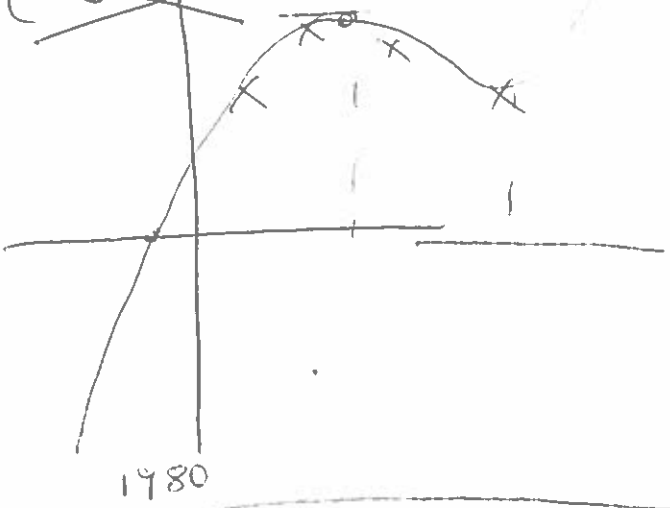


Where? x values
 What? y values
 Find (x, y) pt.
 (a, b) Interval Notation

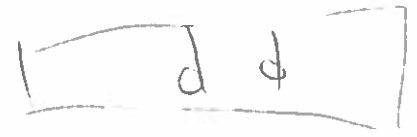
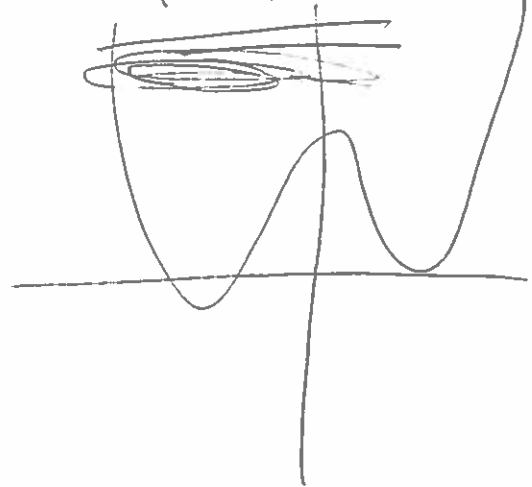


$y \rightarrow$ Positive, Negative, Zeros, Undefined (asymptote)
 $y' \rightarrow$ Increasing, Decreasing, Critical Numbers $y' = 0$, $y' = \text{undefined}$, MAX/MIN
 $y'' \rightarrow$ Concave Up, Concave Down, Inflection Pts

~~CUBIC~~



Quartic



MAX / MIN.

First Derivatives

2nd Derivatives

GROUP NAME: The Factors
Logo: _____

Student Names (First and Last)
Speaker/Presenter: Ethan Stewart

Date: _____
Topics: _____

Writer/Prep: _____
QC/Leader: Kevin Chubb

Instructions:

DATA

[Faint handwritten notes and calculations are visible in this section, including a vertical line and some numbers.]

$\text{Inflection} \approx (117.75)$

GROUP NAME: IRISH MATH BOMBS

Logo:



Student Names (First and Last)

Speaker/Presenter: Bobby O'Connor

Writer/Prep: Connor Kay Smar

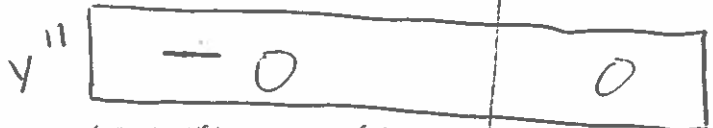
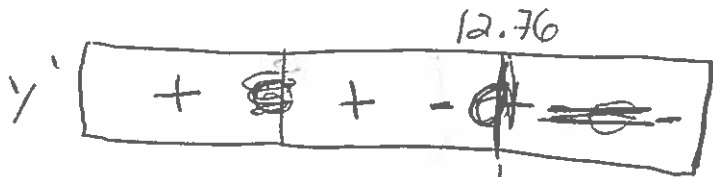
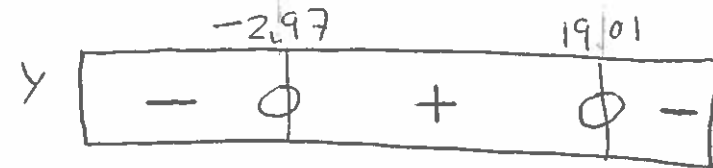
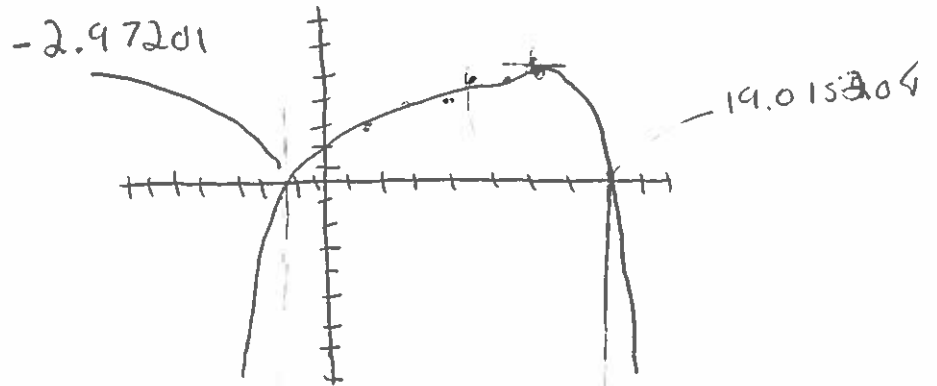
QC/Leader: Bill Jangles

Date: _____

Topics:

Instructions:

x	y
3	13
5	15
7	16
9	19
11	20
13	21



concave down

concave up

concave down

4

4

9

4.6

8.3

GROUP NAME: Wolf Pack

Student Names (First and Last)

Logo:

Speaker/Presenter: Jared

Date: 10/30

Writer/Prep: DC

Topics:

QC/Leader: Quay

Instructions:

$$y_1 = -15.199x^4 + 6119.705x^3 - 923390.749x^2 + 61885436.8029x - 1554390404.56$$

YEARS	96	98	101	107.5	
y	NEG -	POS +	NEG -	POS +	NEG -
	z	z	z	z	
		99	99.5	105.5	
y'	+	-	+	-	
	INC	DEC	INC	DEC	
		m	m	m	
y''	-	+	-	-	
	CON DOWN	CON UP	CON DOWN	CON DOWN	
		I	I		
					95.992152
					98.032152
					100.96265
					107.63789
					98.842525
					99.654265
					105.47187
					98.1219
					103.19177

GROUP NAME: Approx 3 Regions	Student Names (First and Last)
Logo:	Speaker/Presenter: Steven
Date: 10/30/13	Writer/Prep: Anna C
Topics:	QC/Leader: Steven H

Instructions:

Graph the region

Enter the following data into a calculator:

1	2.97
2	3.16
3	4.99

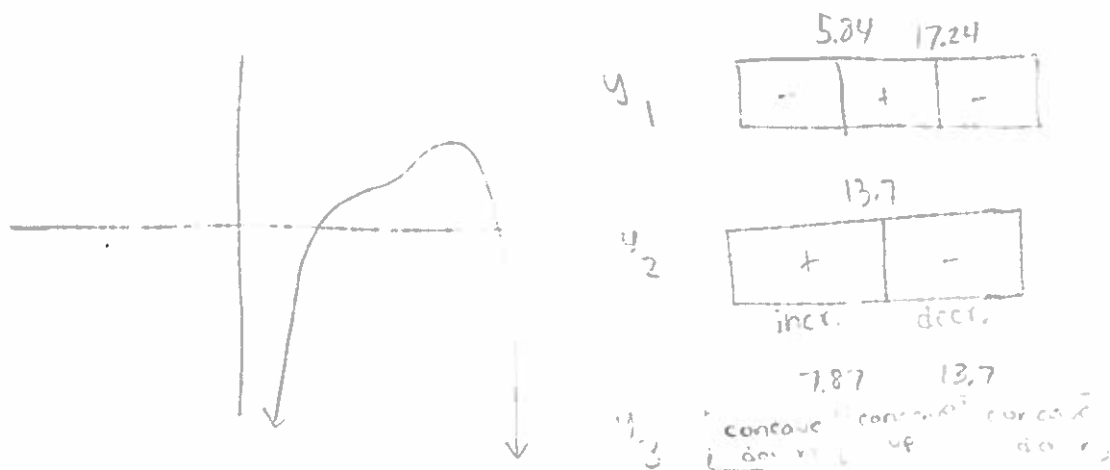
Use the data to find the best fit line.


Interpret the slope of the best fit line.

Write a short paragraph explaining the relationship between the data points and the best fit line.

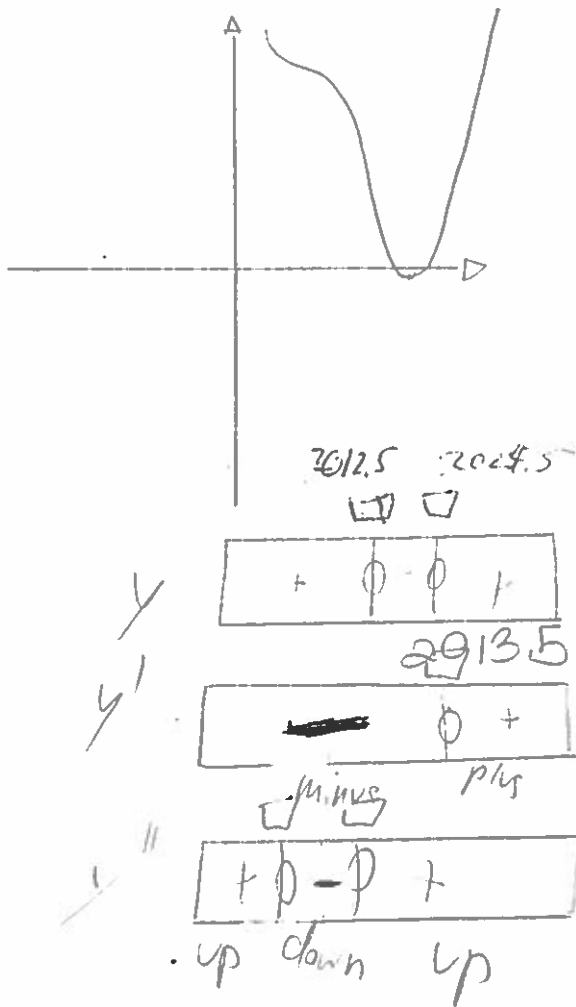
<p>GROUP NAME:</p> <p>Logo:</p>	<p>Student Names (First and Last)</p> <p>Speaker/Presenter: <u>Dain</u></p>
<p>Date: _____</p> <p>Topics:</p>	<p>Writer/Prep: <u>Kristen</u></p> <p>QC/Leader: <u>Nicole</u></p>

Instructions:



<p>GROUP NAME: <u>Mathletes</u></p> <p>Logo: </p>	<p>Student Names (First and Last)</p> <p>Speaker/Presenter: <u>Aidan</u></p>
<p>Date: _____</p> <p>Topics: _____</p>	<p>Writer/Prep: <u>Lagan Hohenwyl</u></p> <p>QC/Leader: <u>Ryle</u></p>

Instructions:



GROUP NAME: Time Is Money



Logo:

Student Names (First and Last)

Speaker/Presenter: Angelika Mazurek

Writer/Prep: Shyam Singh (Shiv)

QC/Leader: Eugenio Pelaez

Date: ~~30/10/20~~ 30/10/20

Topics:

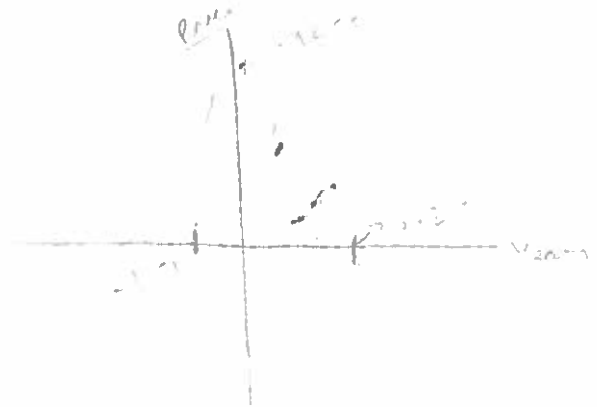
Instructions:

Sale of iPhone 4S $\frac{M}{C}$

STAT CALC 7↓ Quart Reg. L1 | L2

$Y_1 =$ Quart Reg.

1	300
2	350
3	200
4	190
5	200



Zeros

$$Y = 1.519757 \quad Y = 0$$

$$X = 6.355470 \quad Y = 0$$

$$Y = \frac{-1.51}{x + 6.355470} + \frac{6.25}{x - 3.776}$$

$\frac{-1.51}{x + 6.355470} + \frac{6.25}{x - 3.776}$
 $\frac{-1.51(x - 3.776) + 6.25(x + 6.355470)}{(x + 6.355470)(x - 3.776)}$
 $\frac{-1.51x + 5.702176 + 6.25x + 39.7236875}{(x + 6.355470)(x - 3.776)}$
 $\frac{4.74x + 45.42586376}{(x + 6.355470)(x - 3.776)}$

GROUP NAME:

Student Names (First and Last)

Logo: CSU

Speaker/Presenter: Cornea King

Date: 10/30/12

Writer/Prep: Collin King

Topics:

QC/Leader: Stephen Smith

Instructions:

down up

