Collecting Data

Price	Sell
$90	20
$80	21
$100	8
$120	5
$140	3

ENTER DATA

STAT BUTTON 1: Button 1

L1	L2
90	20
80	21
100	8
120	5
140	3

NOTE

Define

2nd Y= = Stat plot

Plot Data

Stat plot 1: enter

Zoom 9: zoomstat ← Notes

Regression (Get a Function)

STAT > 4: LinReg <enter> <enter>

blue button

$y = ax + b$

$a = -.3198\ldots$ (Slope)

$b = 45.30\ldots$ (y-intercept)

Graph Equation

Y= VARS 5: > > 1:

Graph

Evalue

$f(x) = x + 1$

$f(3) = 3 + 1 = 4$

Plug in for X $Y_1(110)$

Solve

$y = x + 1$

$20 = x + 1$

$-1 \quad -1$

$19 = x$

Solve for X given Y

VARS > 1: 1: Y_1

TABLE

Table = 2nd Graph.

110	10.12
115	8.52

Solver

MATH 0: Solve

$0 = Y - (X+1)$

$0 = X+1 - Y$

"Y" = Alpha 1

X = Alpha enter

$Y = 20$

Math 0: Solver

0 = VARS 5: > > 1

= Y

"If I charge $110 I'll sell 10 books"

"If I want to sell 1 book, I charge $138.51

GROUP NAME: Team 3

Date: 1/28/14

Student Names (First and Last)

Speaker/Presenter: Benjamin Infosino

Writer/Prep: Blake Beale

Leader/Collaborator: Kevin Leonardi.

Independant Variable (x-axis): height

Dependant Variable (y-axis): weight

Conclusion (in words):

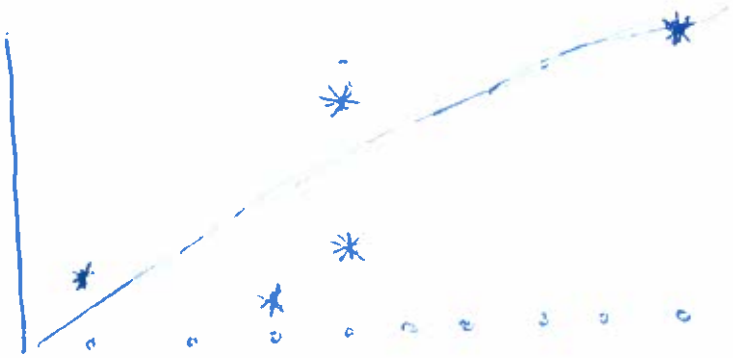
- if a person is 5'7" they will weigh 125 pounds.
- if you weigh 225 you should be 6'3" tall.

Supporting Work:

X (height)	y (weight)
~~5'10"~~ 70	130
~~6'3"~~ 75	225
~~5'10"~~ 70	145
~~6'0"~~ 70	...
~~5'11"~~ 69	120
~~5'7"~~ 67	125

$y = ax^2 + bx + c$

$y = -.461755754x^2 + 79.2... x +$
$-3116.5...$



GROUP NAME: We love science

Date: 1/23/14

Student Names (First and Last)

Speaker/Presenter: Love Kenneth

Writer/Prep: Yvette Aguilar

Leader/Collaborator: Marta Truszkowski

Independant Variable (x-axis): Price

Dependant Variable (y-axis): Used Iphone

Conclusion (in words):

- If I charge $66 I will make 1250
- If I want to ~~sell~~ make $1200 I will charge 73.10

Supporting Work:

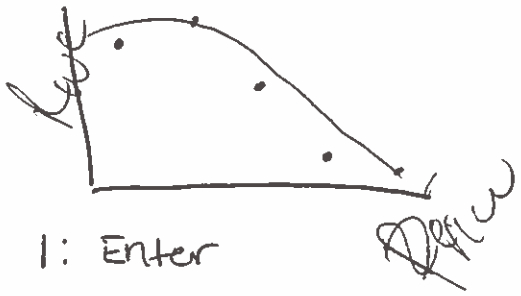
* selling used iphone *

price	sell =	revenue
$60	20	1,200
$80	16	1,280
$100	10	1,000
$120	3	360
$140	2	280

Function / Equation use regression quadratic

STAT → 5: ENTER

$y = -.12...x^2 + 10.48...x + 1086.85...$



Enter Data

STAT 1:

60	1200
80	1280
100	1000
120	360
140	280

Plot Data

STAT 2nd [y=] 1: Enter

ZOOM 9:

GROUP NAME:

Date: 1/23/2013

Student Names (First and Last)

Speaker/Presenter: Osman Rehman

Writer/Prep: Kay thik nindu

Independant Variable (x-axis): Price

Dependant Variable (y-axis): Sales We Iph

Leader/Collaborator: Noor cheema

Conclusion (in words):

If we Change $200 we sell 17.35
we get 17.35 want to sell 100, Change $70

Supporting Work:

Collecting data Iphone

Price	Sell
$110	80
$120	70
$150	65
$170	50
$180	38

$y = ax + b$

$a = -.5236.....$

$b = 137.0537...$

Graph equation

[Y] = [VARS] 5: >7 1:

[Graph]

Table = [2nd] [window]

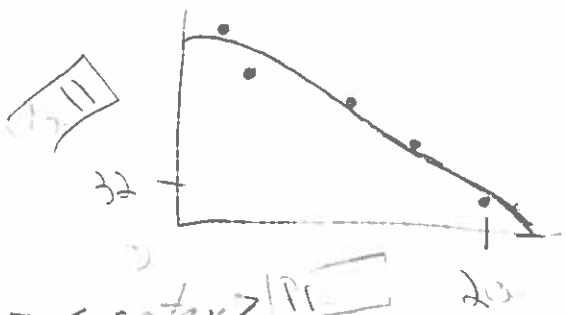
Graph

Enter data

[STAT] → 1:

[2nd] [Y=] = stat plot

stat plot 1 : [Enter]



[Zoom] 9:

[stat] (>) 4: LinReg <enter> <enter> [Y1]

GROUP NAME: We ♡ Math

Date: 1/28/19

Student Names (First and Last)

Speaker/Presenter: ~~Kelly~~ Sweater

Writer/Prep: ~~Jacob~~

Leader/Collaborator: Craig Shelley

Independant Variable (x-axis): Price

Dependant Variable (y-axis): Sales

Conclusion (in words): The maximum revenue that [illegible] could [illegible] by selling sweaters at $26.49. In order to make $120 we would have to sell 5 sweaters at $47.78 and in order to make $160 we would have to sell 3 sweaters at $53.22.

Supporting Work:

$a = -.1988$

$b = 11.369$

Price	Sold	Revenue
10	5	50
20	15	[illegible]
25	7	175
30	2	[illegible]
50	1	[illegible]

$y = -.25\ldots x^2 + 13.\ldots x$ [illegible]

Maximum [illegible] $y = 71.71$

GROUP NAME: This Team, Best Team

Date: 01-28-2014

Independant Variable (x-axis): Fan Speed

Dependant Variable (y-axis): Computer Temp.

Student Names (First and Last)

Speaker/Presenter: Jesse Schollman / Stephen Burns

Writer/Prep: [illegible]

Leader/Collaborator: Khaled Hasan

Conclusion (in words):

[illegible] increases [illegible] decreases

If you set your fan speed to 100 rpm your computer temp [illegible] 60°

Supporting Work:

Fan Speed (rpm)	Computer Temp
100	97°
130	88.5°
[illegible]	[illegible]
160	74°
[illegible]	67°

$y = ax + b$

$a = -.375$

$b = 124.5$

$y = -.375x + 124.5$

If you want computer temp to be 60° set fan speed to 175.7 rpm

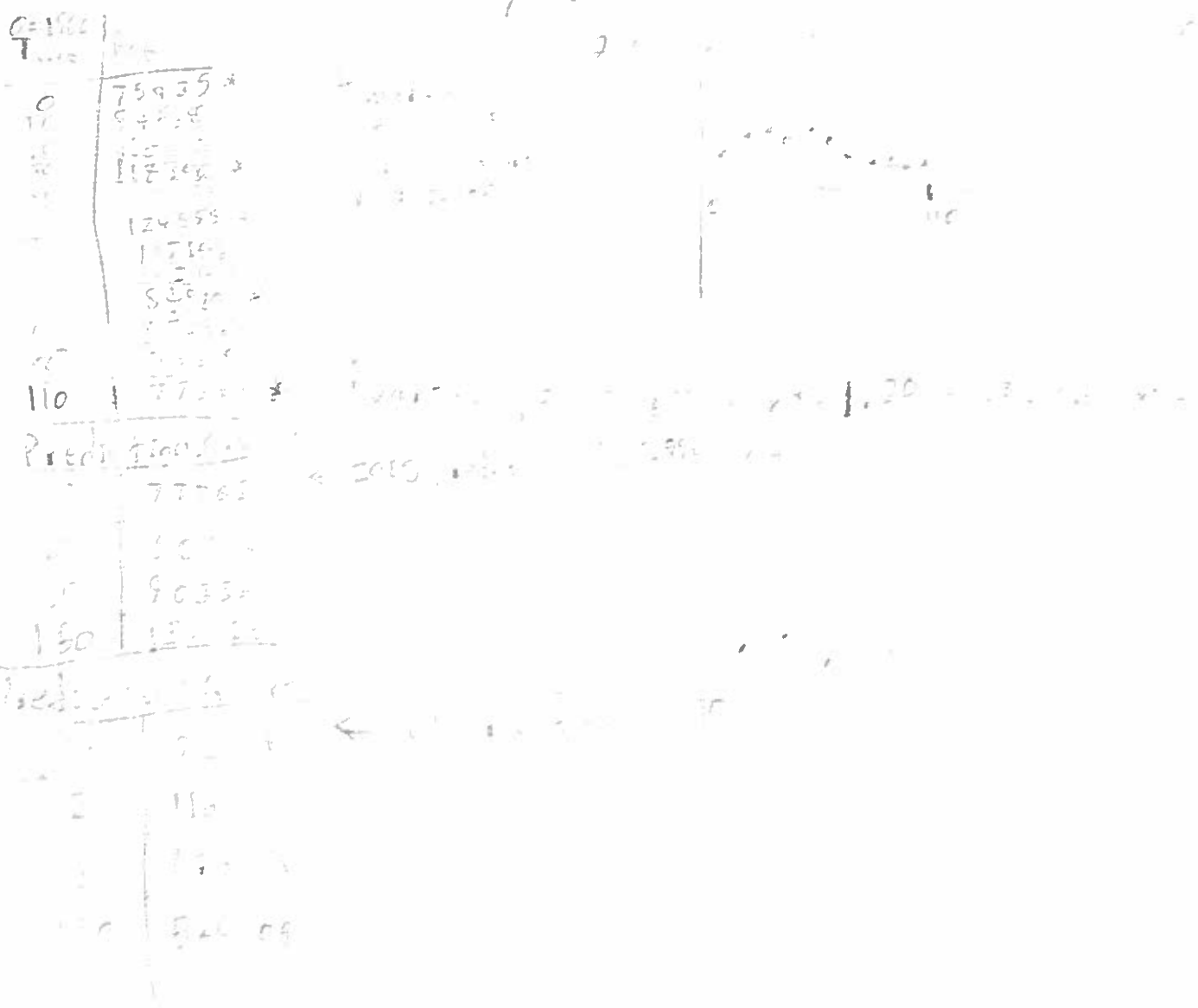
[illegible] regression (calc) → 4:

Graph

GROUP NAME:	Student Names (First and Last)
Date:_____	Speaker/Presenter:
Independant Variable (x-axis): Time	Writer/Prep:
Dependant Variable (y-axis): Population (under)	Leader/Collaborator:

Conclusion (in words): Next year

Supporting Work:



GROUP NAME:

Date: 1/28/14

Student Names (First and Last)

Speaker/Presenter: Christian Guerra

Writer/Prep: Clifford Baggum

Leader/Collaborator: El Amparo

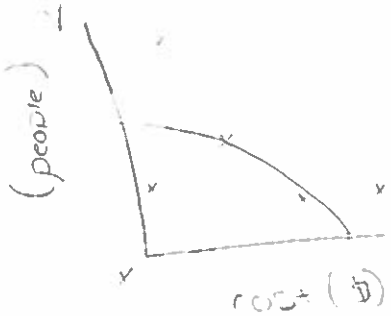
Independant Variable (x-axis): Cost tickets

Dependant Variable (y-axis): Revenue

Conclusion (in words): When charging 3$ per ticket to a football game our revenue would be at its peak point of 4.85$. When charging 11$ per ticket we would be losing money. (-.3235). To get a minimum of 4.2 we would have to charge 5$

Supporting Work: How much would a High School football game cost?

Cost	Quantity	Revenue
3	3	7.5
7	7	21
5	4	20
8	2	16
10	1	10



$y = .059\ldots x^2 + .20\ldots x + 46\ldots$

Y= Join

Trace

4.8 → 1

4.04 → 4

GROUP NAME:

Date: 28 Jan 2014

Student Names (First and Last)

Speaker/Presenter: Paul Klos

Writer/Prep: Byron

Leader/Collaborator: Ricky Wilson

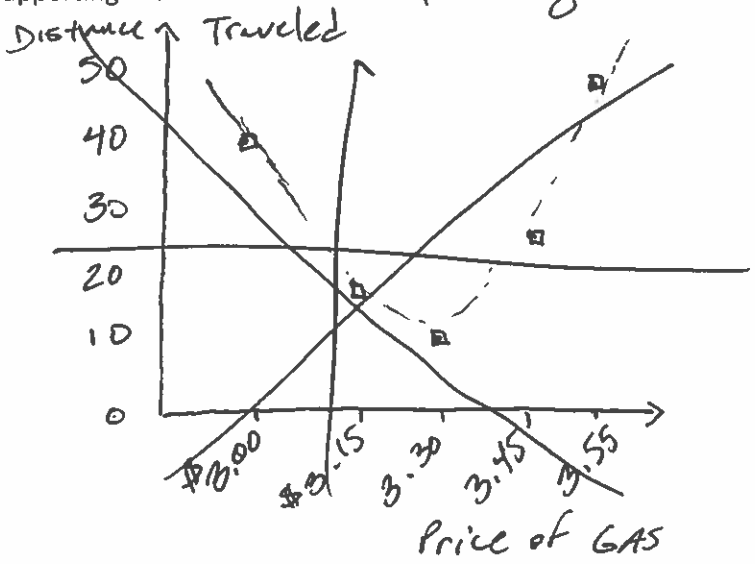
Independant Variable (x-axis): Price of GAS

Dependant Variable (y-axis): Distance Traveled

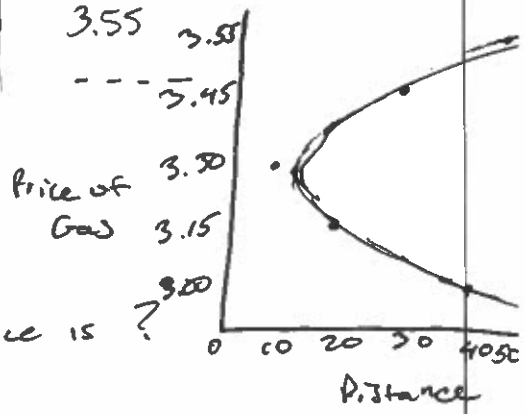
Conclusion (in words):

If we ~~for~~ WAIT 30 miles to fill up it will be $3.45 15¢ more than if we had @ mile

Supporting Work: The Penny Pinching GAMBLER MARKER 10.



L1	L2
10	3.3
20	3.15
30	3.45
40	3.00
50	3.55
- - -	- - -



Driving x Amount of Distance the Gas Price is ?

After 10 mi the Price was $3.30

After 20 mi $3.15

STEPS ① STAT 1 [ENTER DATA]

② STAT PLOT

1 ENTER

ZOOM 9

③ STAT ▷ 5 ENTER

④ Y= VARS 5 ▷ ▷ 1

GRAPH

cam 1

GROUP NAME:

Date: 1/28/14

Student Names (First and Last)

Speaker/Presenter: Dorian Thomas

Writer/Prep: Zabdi

Leader/Collaborator: Alicia antinisin

Independant Variable (x-axis): # ~~People~~ price

Dependant Variable (y-axis): Price ~~#~~ asked

Conclusion (in words): how much would the a[illegible] pay for a toy [illegible]

Supporting Work:

X	y
3	$21
5	4[illegible]
1	16
1	$16

Price		Revenue
4	3	12
5	5	25
6	1	6
10	1	10

$y = ax^2 + bx + c$

$y = .[illegible]x^2 - 1.54...x + 3.2...$

The average person will pay the exact price @ 15 we will sell

of 15 | 4 [illegible]

$y = .[illegible]$

if we want to sell for $5 we would sell it to 3people

GROUP NAME: Newbees

Date: 1/28/14

Student Names (First and Last)

Speaker/Presenter: Khrystyna Pavlyuchyk

Writer/Prep: Bailey, Martinez

Leader/Collaborator: Li Jang Lin

Independant Variable (x-axis): price of books

Dependant Variable (y-axis): sales of books

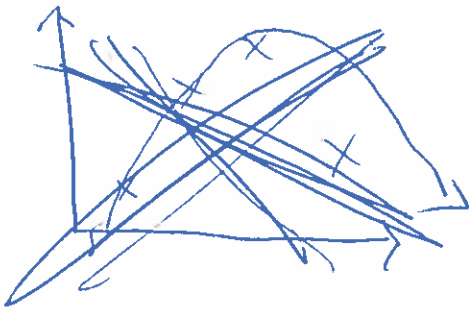
each for $68.50

Conclusion (in words):

we need to sell [redacted] books to make the [redacted] ($1,165.90) or to earn $1167.30 have to sell for $68.50

Supporting Work:

25	500
50	1000
75	1200
100	700



$y = -.4x^2 + 53.2x - 600$

Price	# of books	revenue
25	20	500
50	20	1000
75	16	1200
100	7	700

GROUP NAME: money Bags
Date: 1/24/14

Student Names (First and Last)
Speaker/Presenter: Melissa Scarpati
Writer/Prep: Angelica Ipina
Leader/Collaborator: Kevin Enriquez

Independant Variable (x-axis): price
Dependant Variable (y-axis): sales

Conclusion (in words):
If we charge [illegible] 21 of them. If we sell them for $2, we [illegible] charge $800.

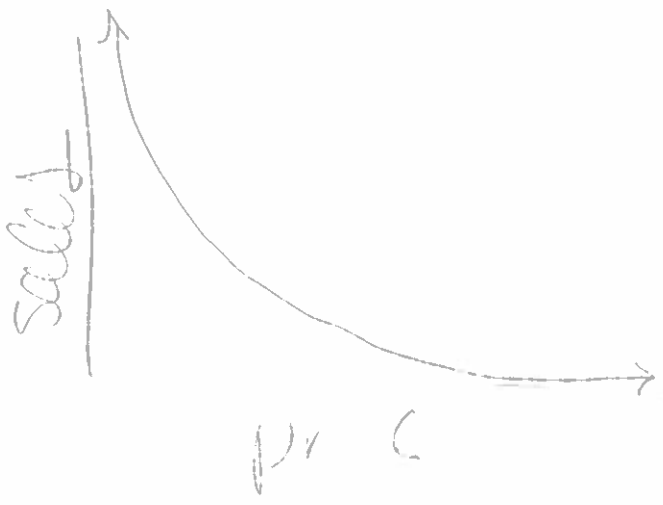
Supporting Work:

How much would people pay for an Android cell phone?

price(x)	sales(y)
80	21
100	19
200	13
400	6
600	2
800	1

1) [illegible] L1 L2

2) Plot [illegible]


Solid
Pr C