

MATH == Language

Precalculus == Study of Function

The function of a pencil is to ...

... means "job"

taking out trash

input = trash

output = empty can

Functions

Data (x,y) (input, output) (cousin, empty can)

Graphs (picture)

Equations $f(x)$

CLASS RULE:

"I LOVE MATH"

TEAMS:

1. Writer

4. Writer

2. Speaker

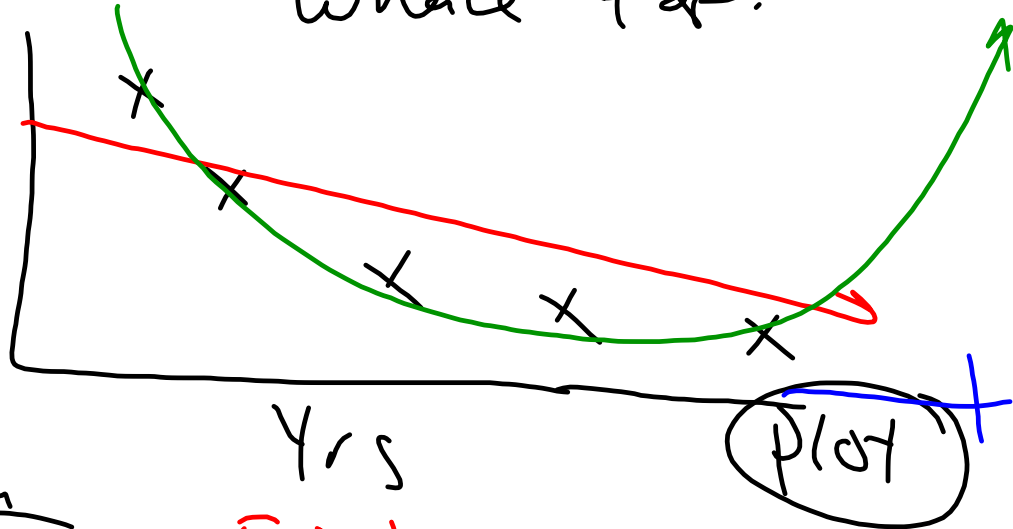
5. Speaker

3. Team

L QC

$$\begin{array}{c} | + | + | \\ | + | = \end{array}$$

Whale Pop.



Data	
X	
1950	50
2000	20
2016	10

EOW.
LINEAR
Quadratic

2016
20
50

Evaluate

$$x = 2016 \quad y = \underline{50}$$

"There will be 50 whales in 2016"

$$f(2016) = 50$$

Solve

$$f(x) = 0$$

$$\text{Solve } x = \underline{2019.5} \quad y = 0$$

"In 2019.5, there are no more whales"
using linear model

STEM

BUSINESS

Justin Bio
Seth - Bio

John Bus Admin
Victoria Bus Admin
Jenn Bus Admin
Zoey Bus Admin

KHALID | Salen
LID | PETER

Finance
ECONOMICS

Falcon

Team Name

Who is in

Writer _____

Speaker _____

Leader _____

Data

X - AXIS
Y - AXIS

Height (inches)
Weight (lbs)

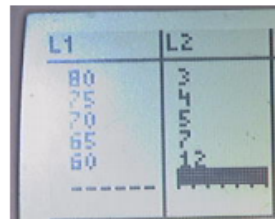
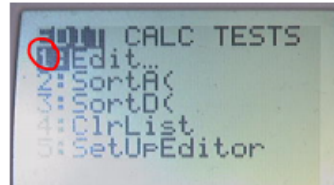
Writer _____
Speaker _____

Selling Calculator

Price	Sold
\$ 80	3
\$ 75	4
\$ 70	5
\$ 65	7
\$ 60	12

ENTER DATA

STAT 1:



Graph (Plot)

Zoom 9:



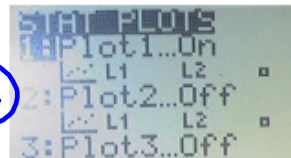
9: ZStat

Plots (ON)

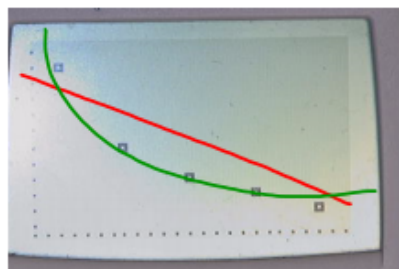
Y=



2nd **Y=**



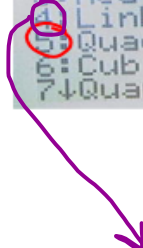
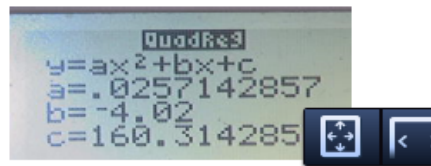
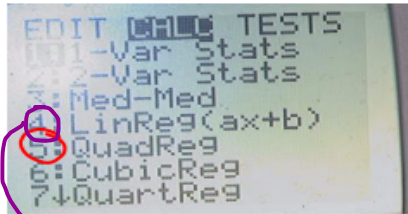
1: **ENTER**



Linear Function
Not so good
Parabola
Quadratic

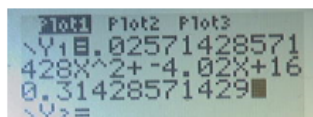
Regression Equation Data → Function

STAT → Calc 5: Quad Reg

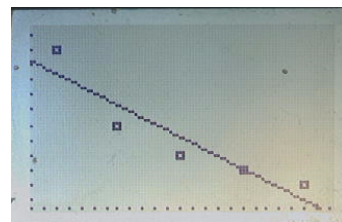
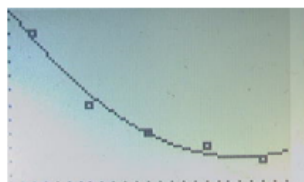


Graph Equation

Y= **VARs** 5: → → 1: RegT9



Graph



X	Y ₁
0	35.6
1	35.18
2	34.76

If I charge \$1 for the calculator, according to the linear regression I expect to sell 35.