

Analyzing Data

Name: _____

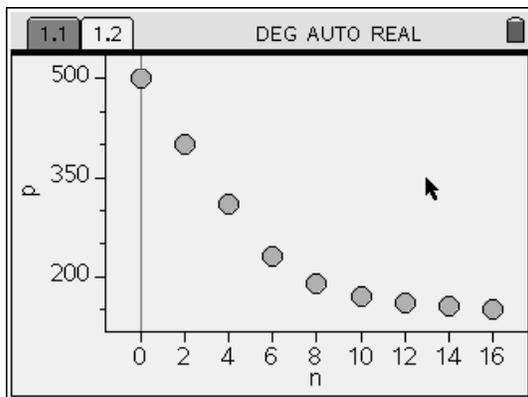
	A n	B p	C	D	E	F	G
1	0	500					
2	2	400					
3	4	310					
4	6	230					
5	8	190					

Enter the data into “lists & spreadsheets” in two columns:

0, 2, 4, 6, 8, 10, 12, 14, 16

500, 400, 310, 230, 190, 170, 160, 155, 151

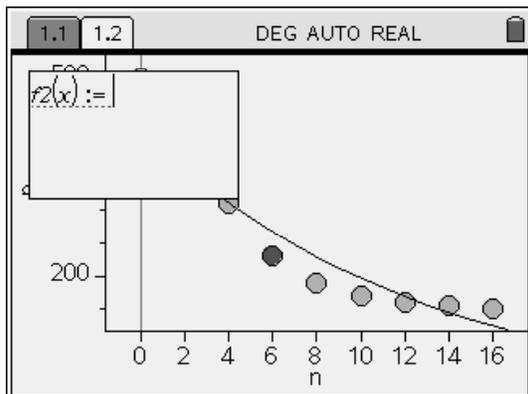
Define the variables as n and p



Hit “Home” and add a “data & stats” page

Click below the horizontal axis to chose “n”

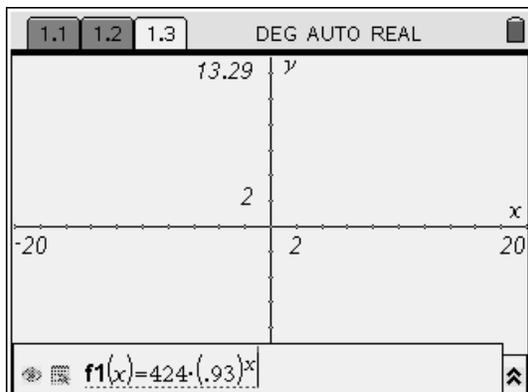
Click to the left of the vertical axis to chose “p”



Add an exponential regression.

Then Menu – Actions – Add Function

Type in the regression equation.



Home – Add a “Graphs and Geometry” page

The equation you just added will be there as f1(x).

You may have to change your window settings. Use the window settings from the stats page.

x	f1(x):..
	424*(.93)
0.	424.
1.	394.32
2.	366.718
3.	341.047
4.	317.174

Home – “Lists & Spreadsheets” – Menu –
Function Table – Switch to Function Table

Choose “f1(x)” as your function

Menu – Function Table – Edit Function Table
Settings

Function Table

Table Start: 0.0

Table Step: 2

Independent: Ask

Dependent: Auto

OK Cancel

Change the window settings to “ask” for the
independent and “auto” for the dependent.