semilog plotting(Label both Axis with name and units)				
frequency(Hertz)	gain(db)			
100	3			
500	2.9			
1500	2.82			
3000	1.5			
5000	0.8			
1) select all data (starting row 4)				
2)insert --->insert scattered(X,Y)---> scattered with straight line				
3) selet x axis and right click to open dialog box,choose format axis--> then				
3a)choose format axis-->logarthmic scale,set min and max xaxis limit to fit				
3b)Add minor Gridlines				
4) to insert lables to axis click on first select the graph and then click + nex				

how to do multiple plots								
Month	**Revenue**	**North**	**South**	**East**	**West**			
January	25500	310	410	510	610			
February	26500	350	450	550	650			
March	28000	390	490	590	690			
April	28500	410	510	610	710			
May	30500	430	530	620	720			
June	32500	460	550	660	760			
July	31500	420	520	620	720			
August	29500	400	500	600	700			
September	28500	375	475	575	675			
Octorber	27500	360	460	560	660			
November	28500	330	430	530	620			
December	31500	340	440	540	630			
1) select Month Revenue and 4 plots data. Make sure to select the titles"Month, revenue,…)								
2) choose chart, Scatter(Straight lined scatter)								
3) notice the lines at bottom are together								
4) select each graph and choose "Fomat data series"---> choose secondary axis								
5) then notice some of the (North, south,east and west close to Revenue) so change the yaxis on right to 0 to 1200								

ExampleB – fitting equations to data (curve fitting)

An engineer has built a wind-driven device that generates electricity. Table 7 summarizes the data that have been obtained with the device:

Table 7: Power Generated by Turbine

Wind Velocity (mph)	Power (watts)
0	0
5	1.5
10	7.3
15	12
20	30
25	65
30	130
35	200
40	270
45	360
50	515

a) Fit an appropriate equation to the data with the intercept set to ze
b) Show the R-squared value on th
c) Use the equation to determine how much power will be generated if the wind velocity is 32 mph.

Important Note: Power is related to the cube of the wind speed.