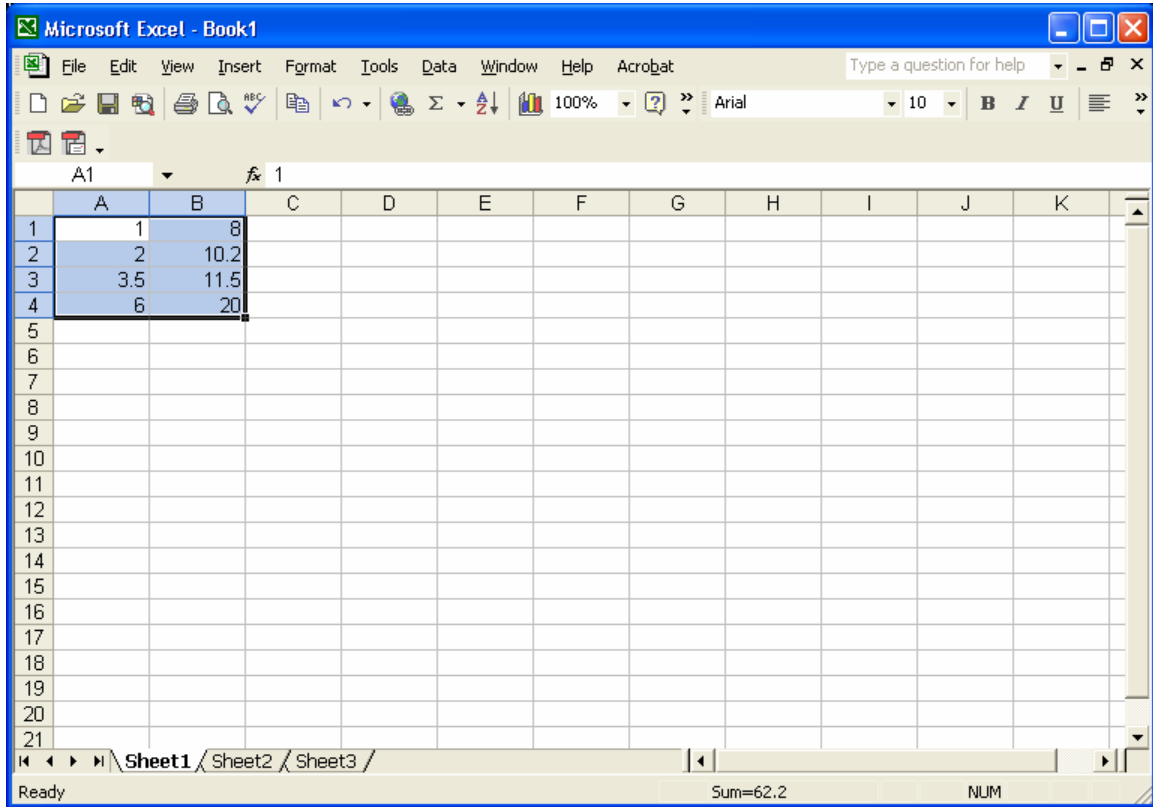


## Graphing with Excel

Open excel and type in data. Remember that row A will be the X value and B is the Y value for the graph



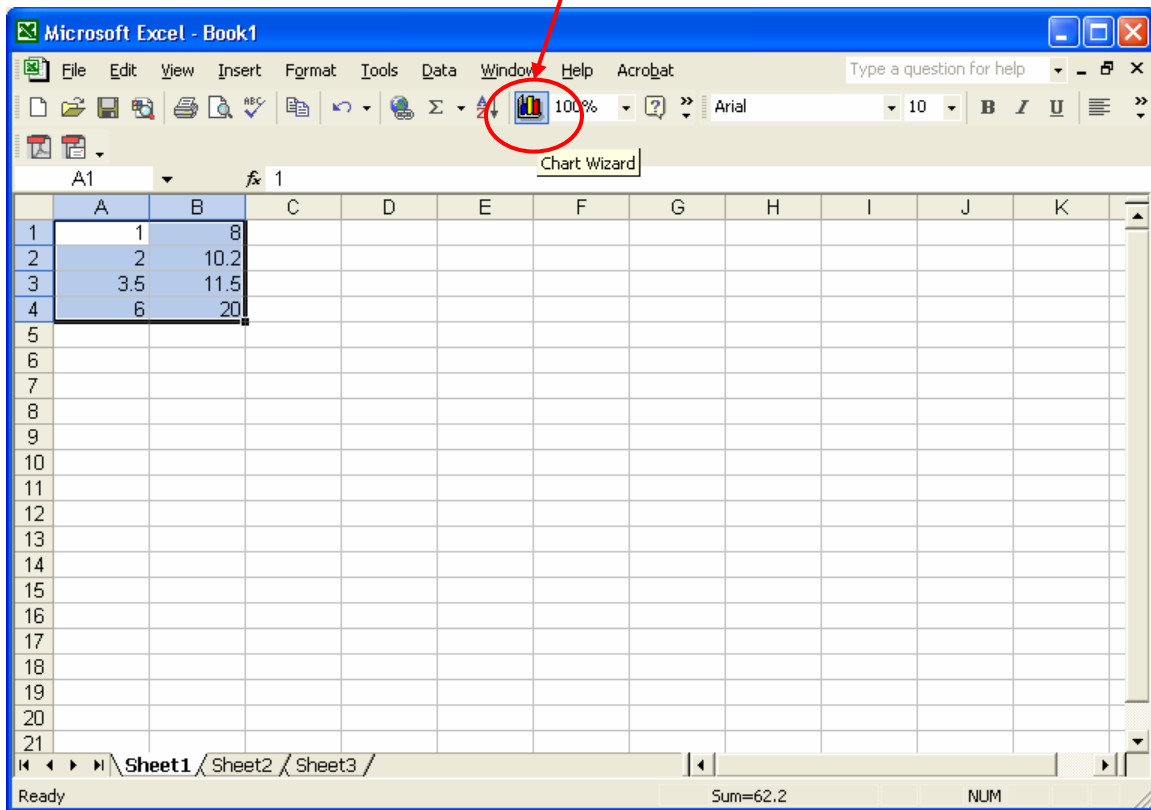
The screenshot shows the Microsoft Excel interface with the following data entered:

	A	B	C	D	E	F	G	H	I	J	K
1	1	8									
2	2	10.2									
3	3.5	11.5									
4	6	20									
5											
6											
7											
8											
9											
10											
11											
12											
13											
14											
15											
16											
17											
18											
19											
20											
21											

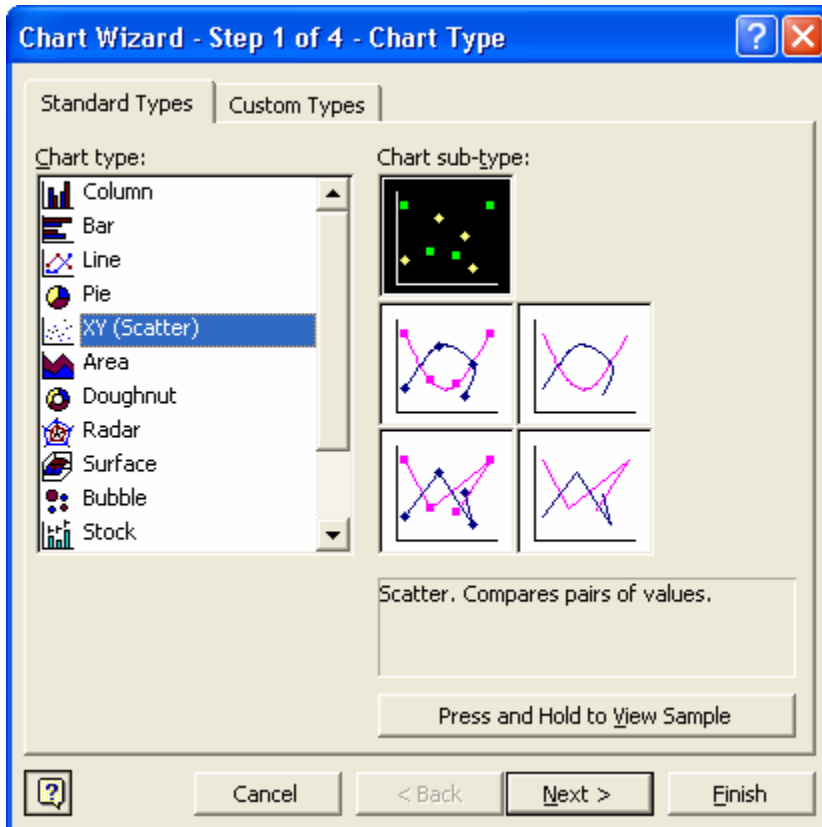
The status bar at the bottom shows: Ready, Sum=62.2, NUM

Next, click on the chart wizard button

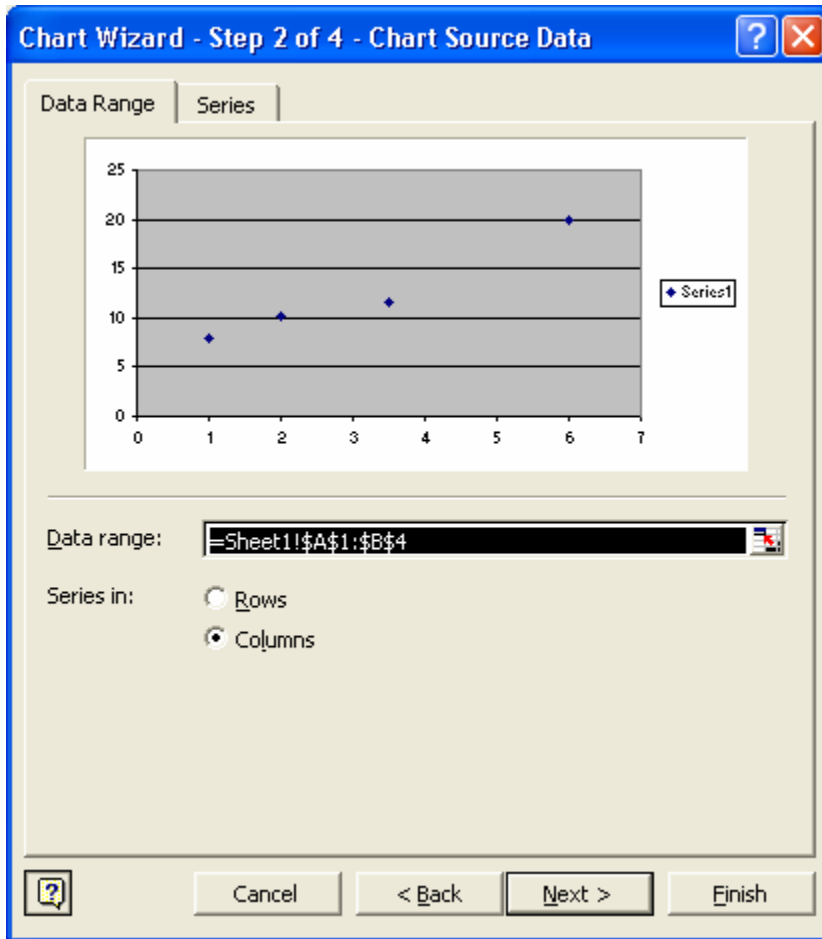
Chart Wizard



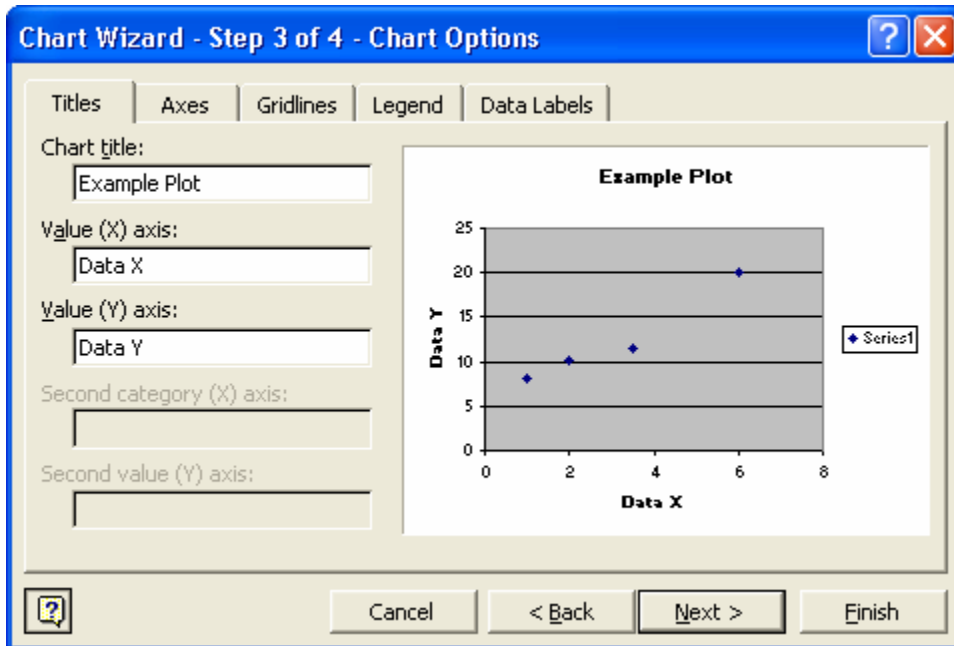
## Select Scatter



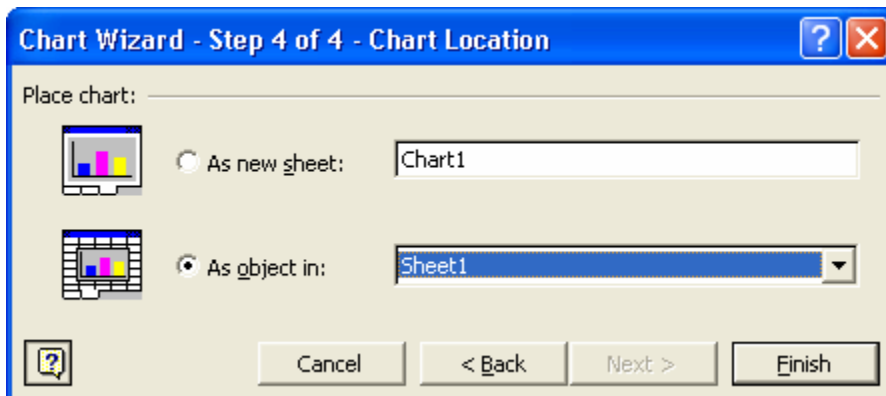
Select **Next**



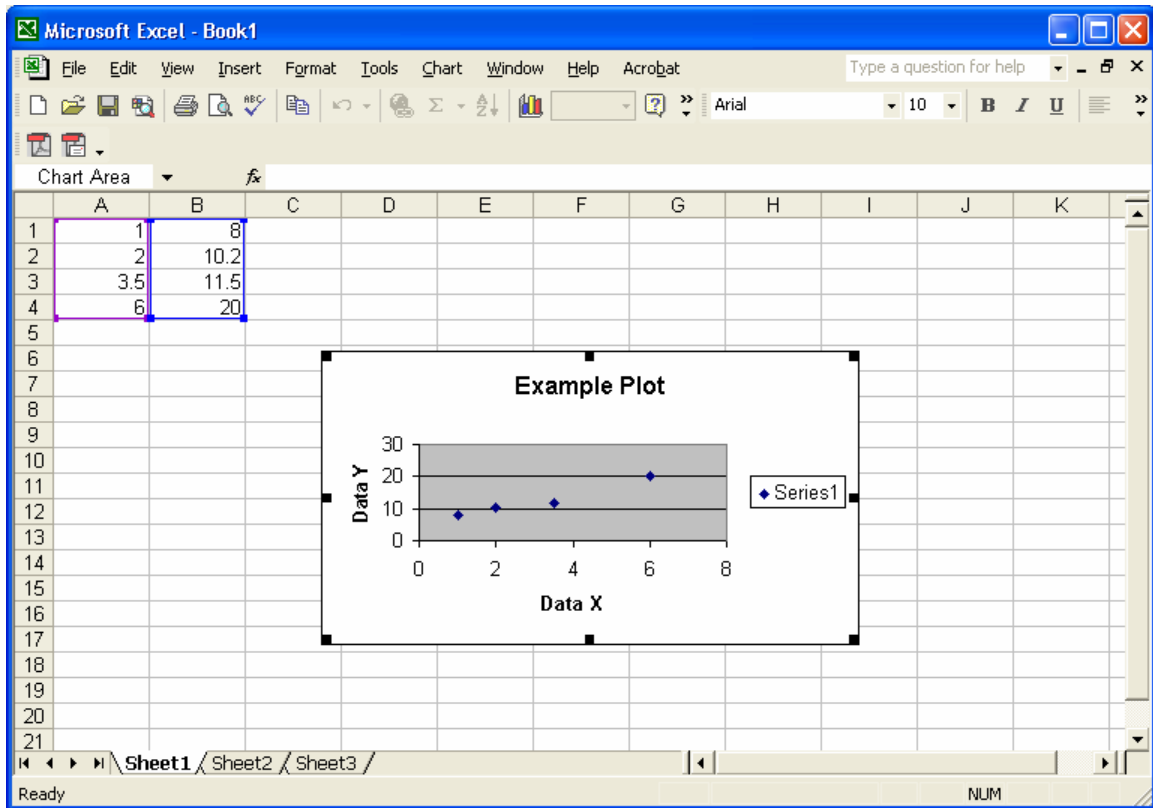
Select **Next**, then fill in Title, and X and Y axis information



Select **Next**, this will insert it into the sheet



## Example of Graph



Next click on any of the data points and then select **Chart**, then **Add Trendline**

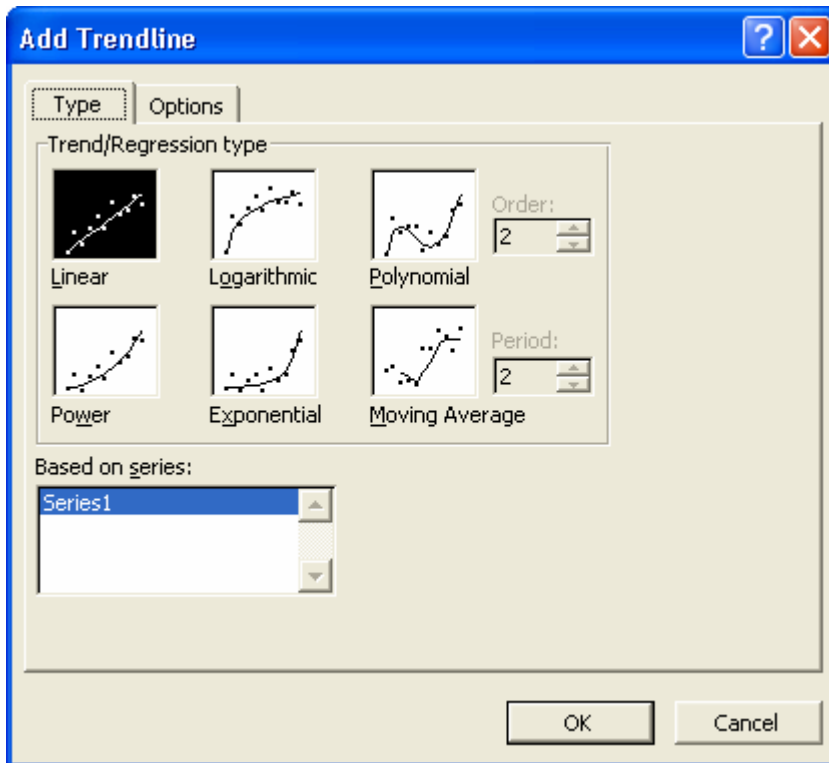
The screenshot shows Microsoft Excel with a data table and a chart. The data table is as follows:

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
1	1	8													
2	2	10.2													
3	3.5	11.5													
4	6	20													

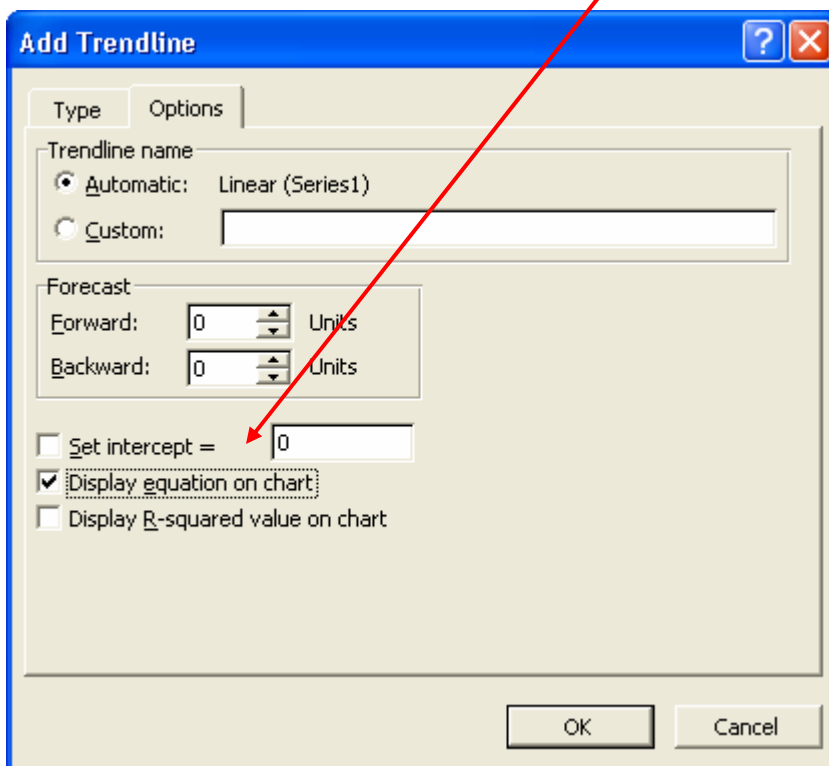
The chart, titled "Example Plot", is a scatter plot with a trendline. The x-axis is labeled "Data X" and ranges from 0 to 8. The y-axis is labeled "Data Y" and ranges from 0 to 30. The data points are plotted at (1, 8), (2, 10.2), (3.5, 11.5), and (6, 20). A trendline is drawn through the points, and a legend indicates "Series1".

The Excel interface shows the "Chart" menu open, with "Add Trendline..." selected. The formula bar shows  $=SERIES(Sheet1!$B$4,1)$ . The status bar at the bottom shows "Ready" and "NUM".

Select **Linear** for the type



Then select **Options**, and check the “**Display equation on chart**” and click **OK**





You will then get the information displayed. From here you can print or cut and paste it into a blank document for printing. If you want you can also click on the regression equation and move it on the plot to make it easier to read

