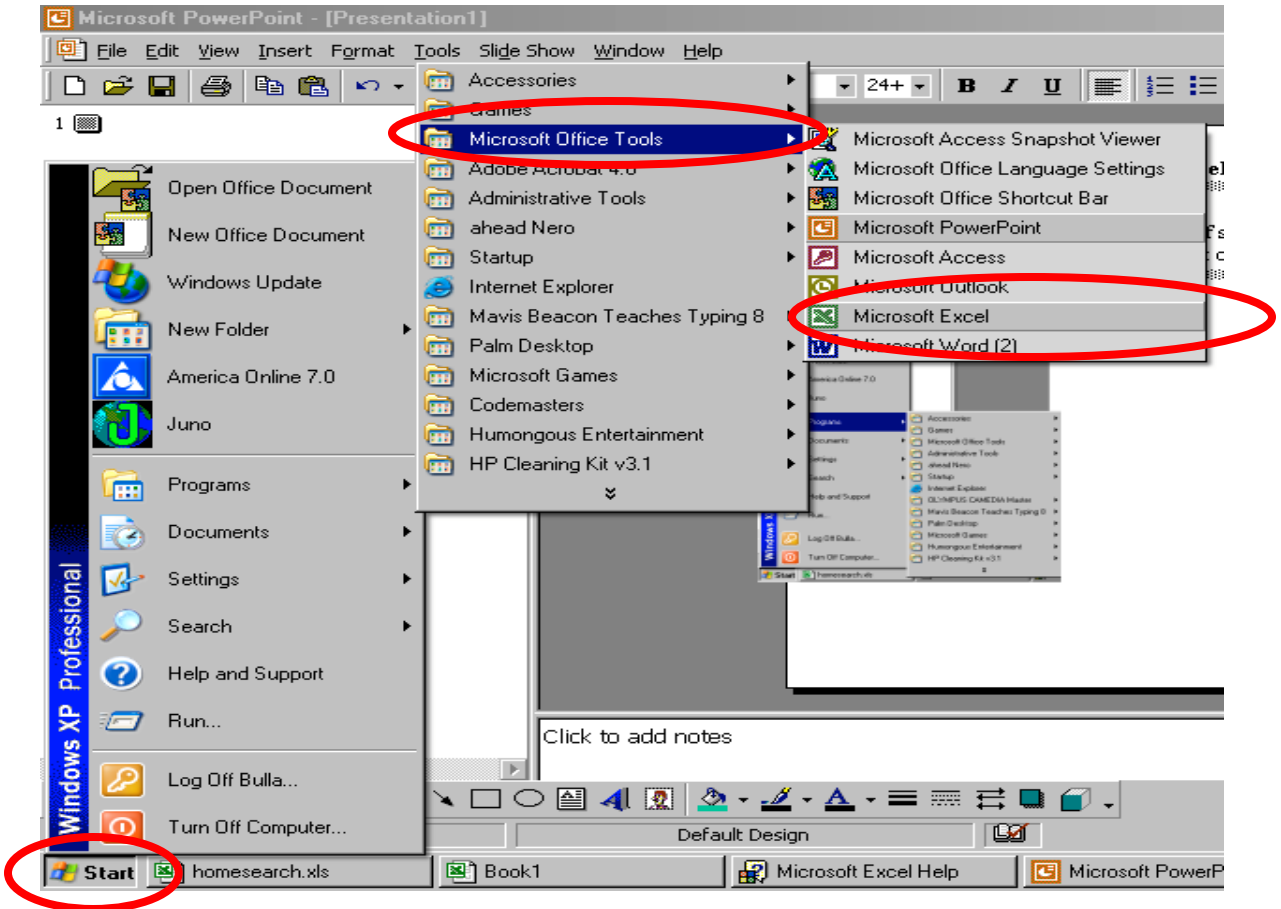
Graphing using Microsoft Excel
Tutorial #1-Getting started and Creating a standard curve

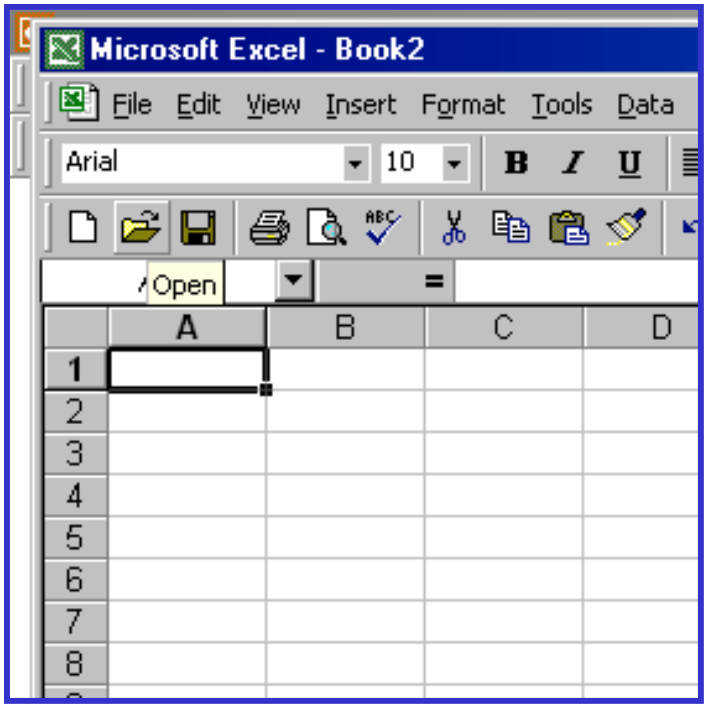
1- To open Excel….

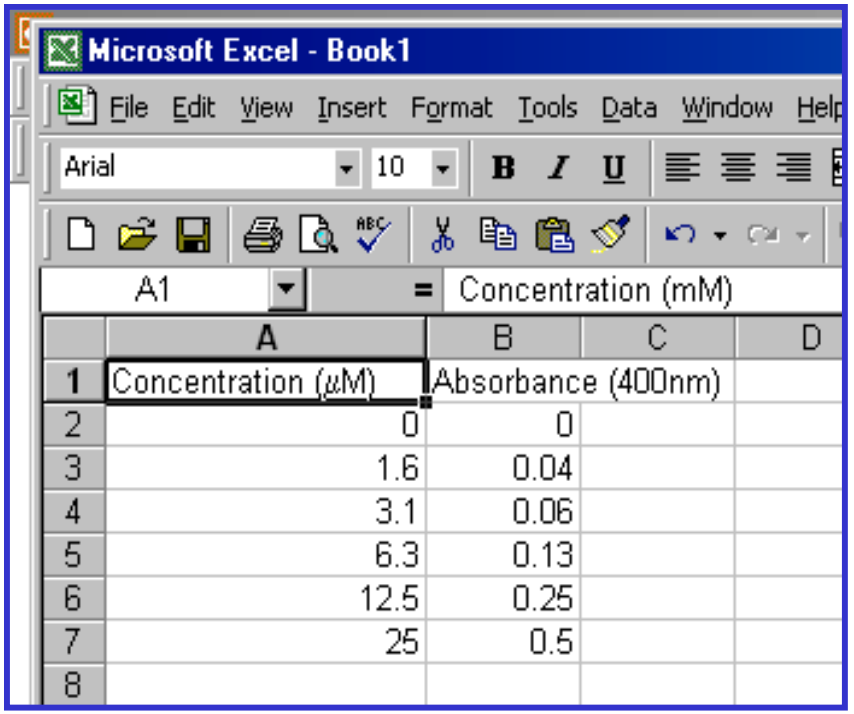
Click on **Start, Microsoft Office Tools, Excel**



2- Entering Data

Fill in columns as shown below –simply click on the box and type in information



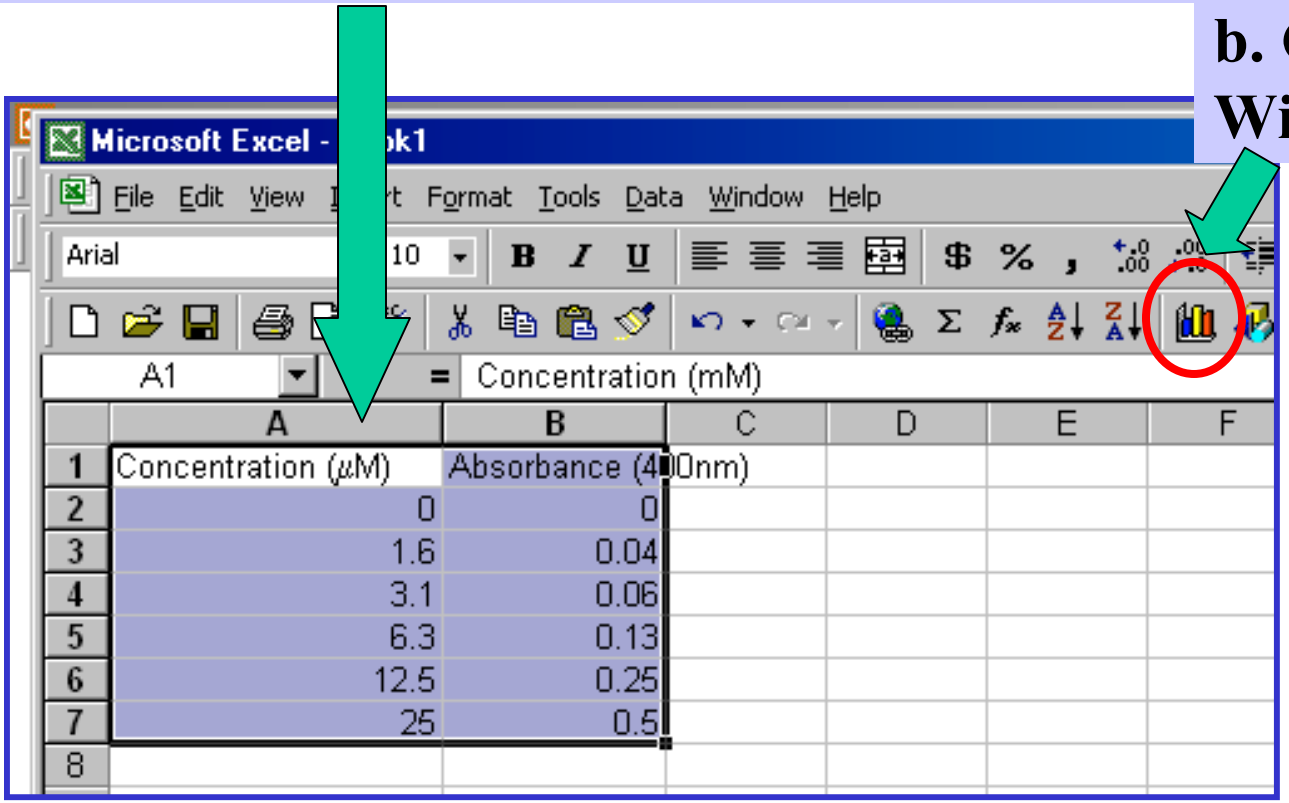


In this case, the known concentrations are entered into the A column, and the absorbance readings in the B column

3- Graphing Data using Chart Wizard

a. Select Data (including labels) by left clicking and dragging pointer across – *selected region will become blue*

b. Click on Chart Wizard Icon

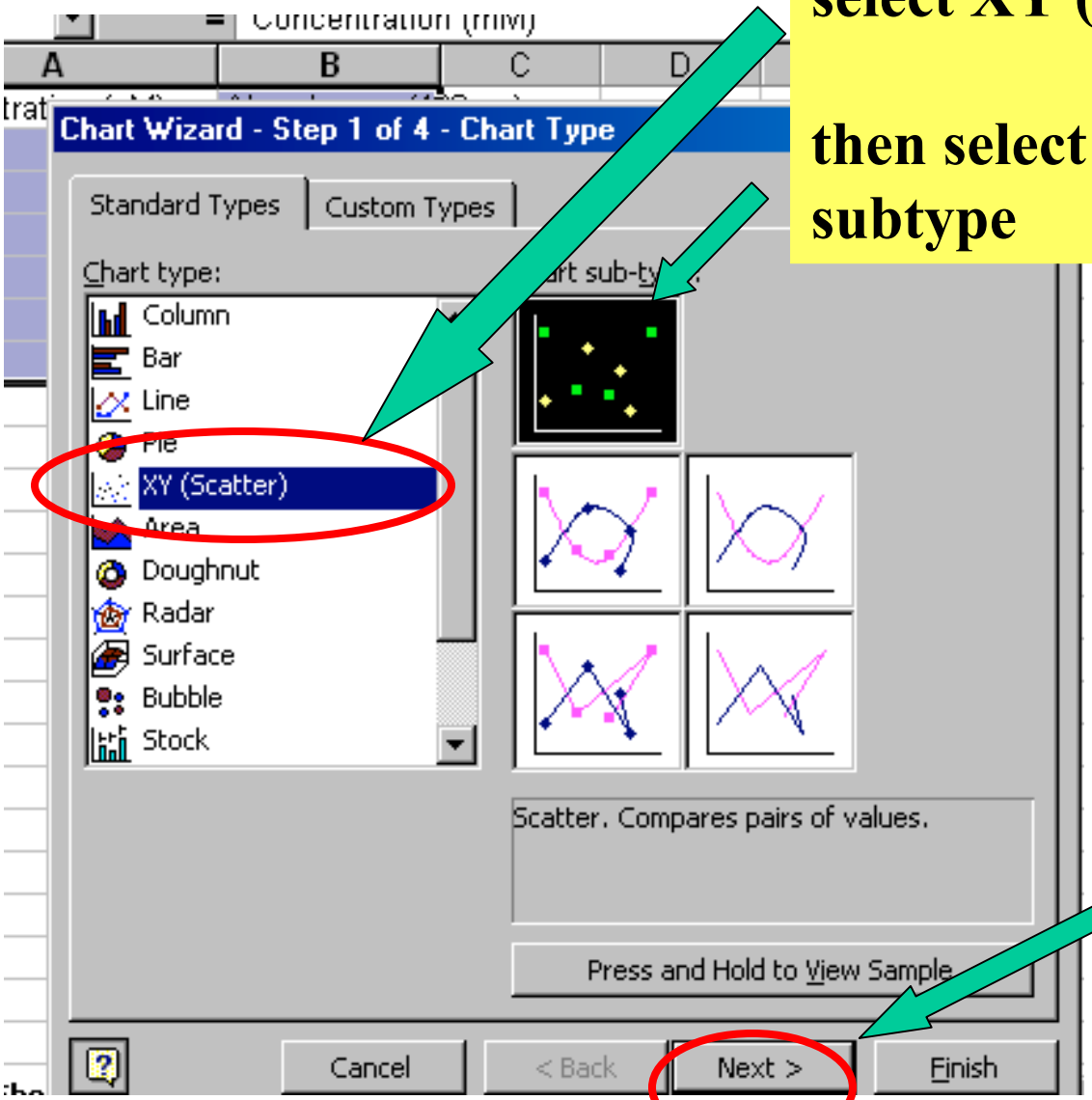


3- Graphing Data (Continued)

Step 1 of 4- Chart Type:

select XY (scatter),

then select the no line subtype

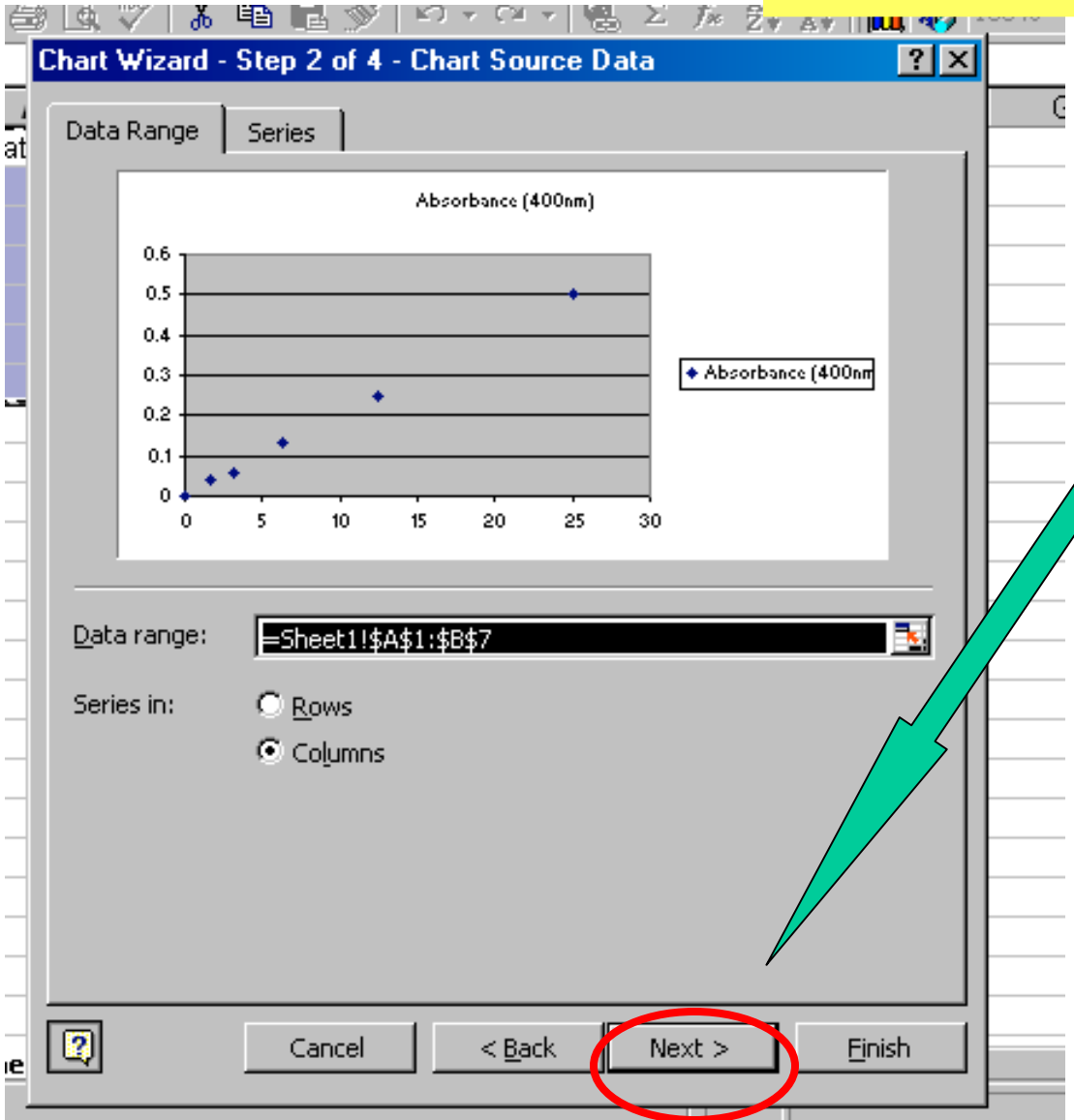


Then Click "Next"

3- Graphing Data (Continued)

Step 2 of 4- Chart Source Data:

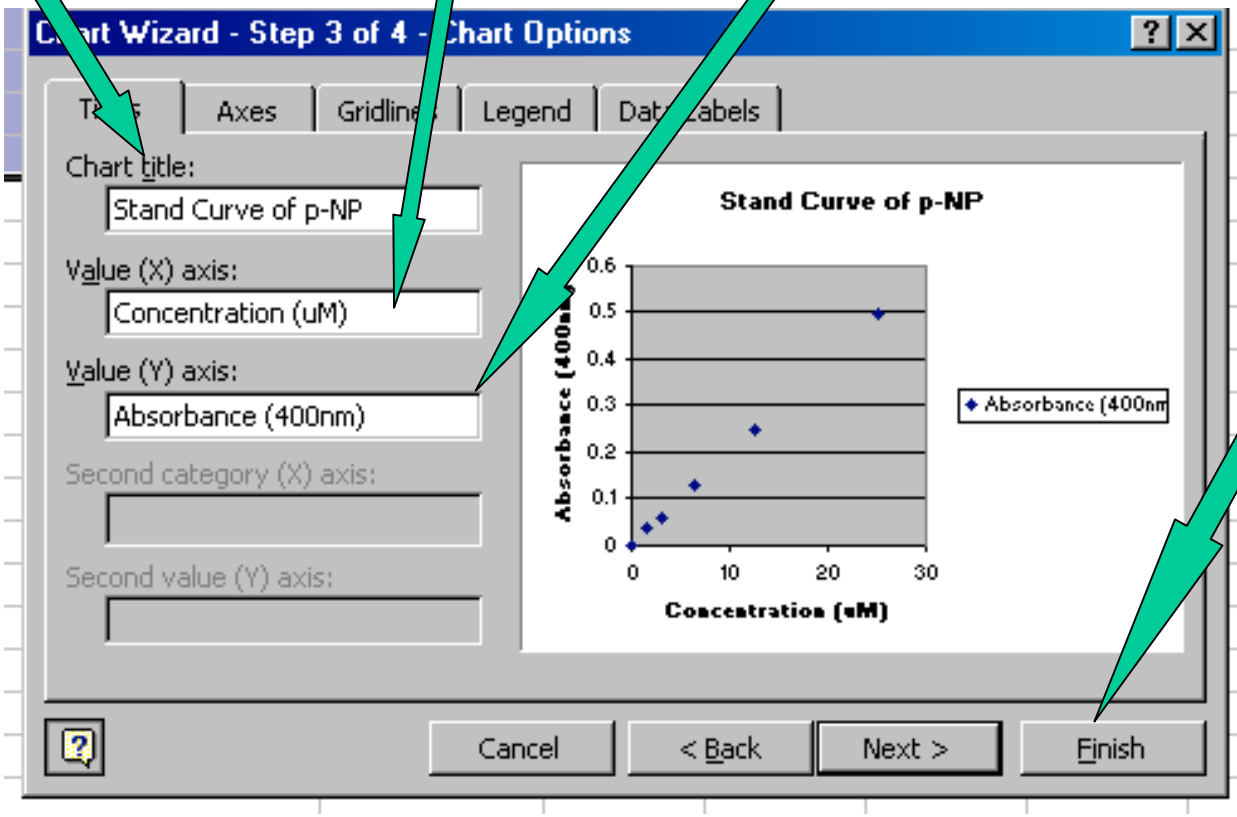
Select "Next"



3- Graphing Data (Continued)

Step 3 of 4- Chart Options:

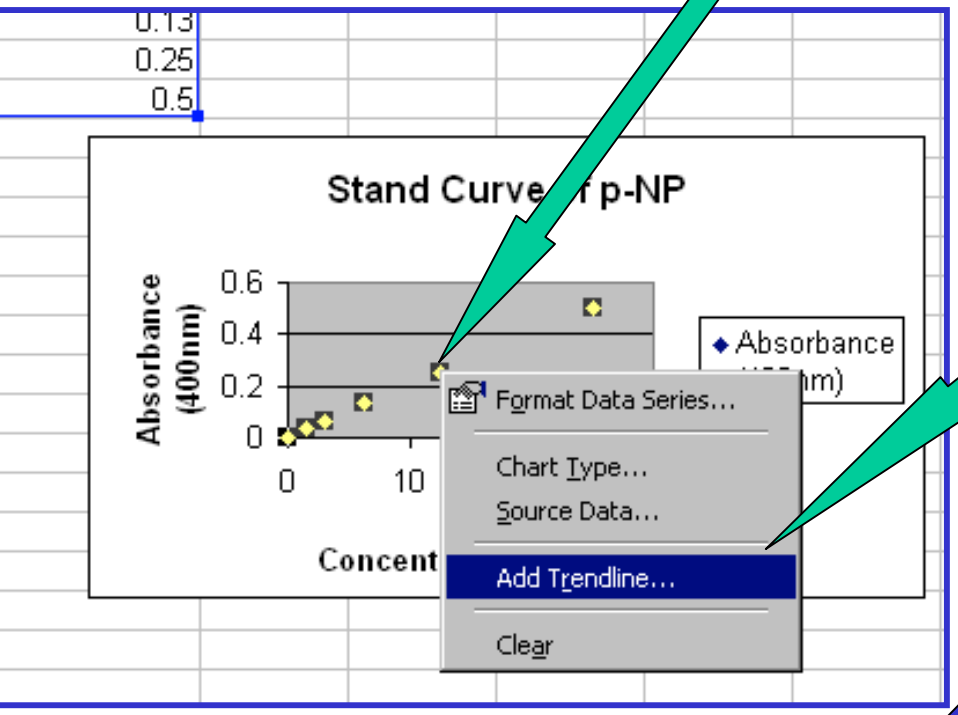
select Title tab and fill in the boxes as shown:
Chart Title X axis label Y axis label then select "Finish"

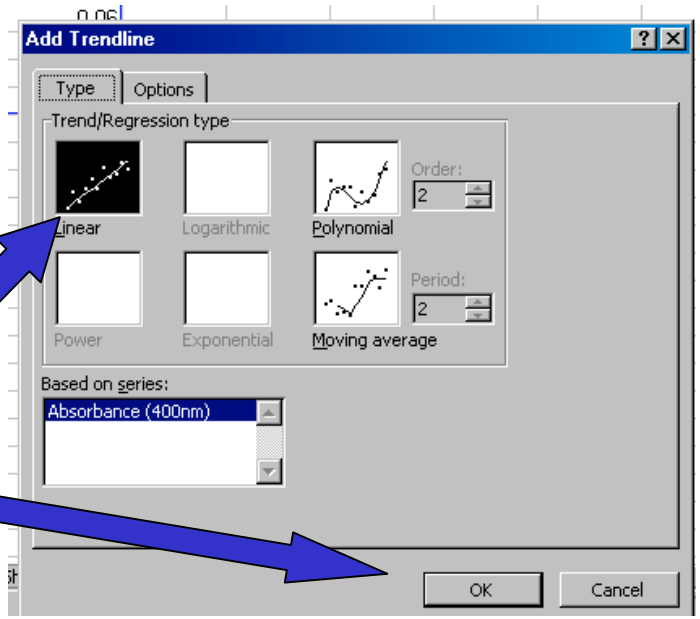


In **step 4,** just click "Finish"

4 Modifying the Graph- inserting a Best Fit Line

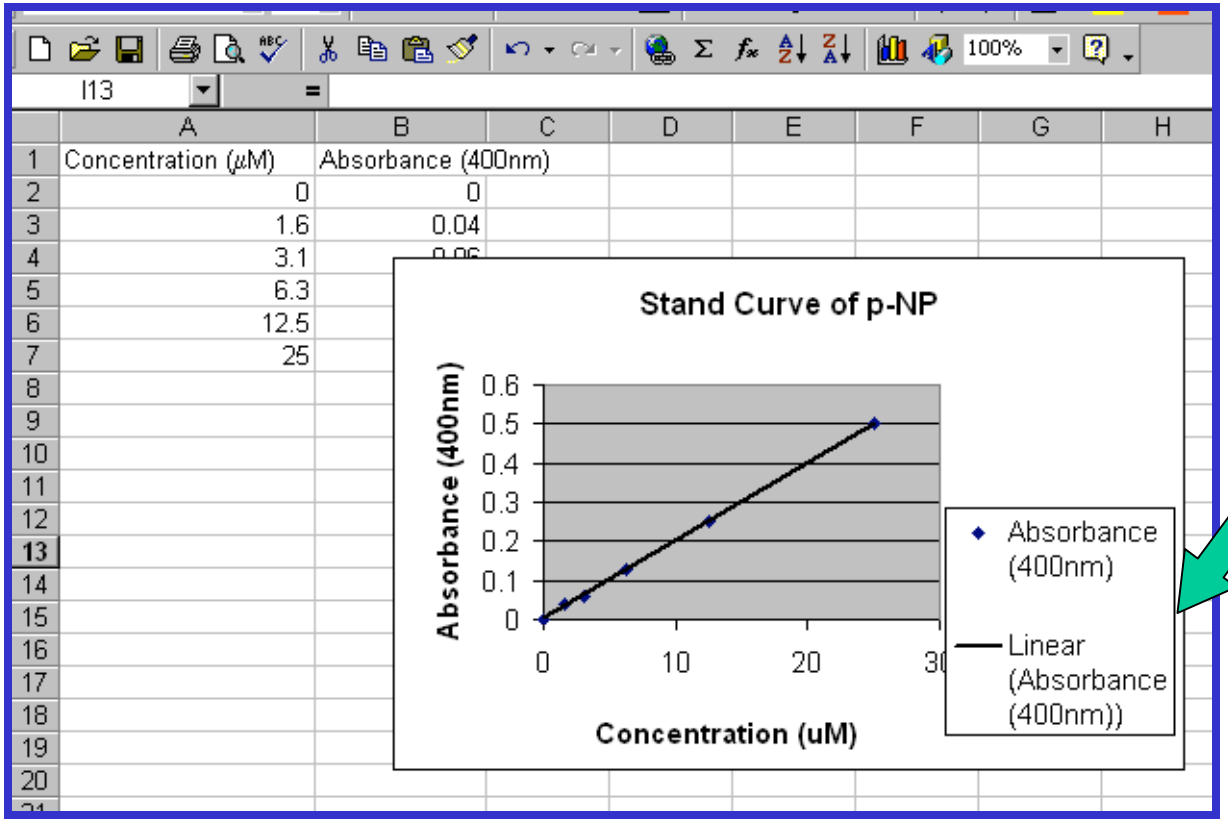
Right Click on any data point on your graph,
then select "Add Trendline"





In the pop-up window, select "Linear" Option box, then click OK

Your graph should look something like this-



Select this box and delete it.

Now print your graph by right-clicking on graph, and selecting "print." (If the graph is selected, only the graph will print)

To determine the concentration of an unknown sample, simply plot the absorbance reading on the line and read the concentration.