Linear Regression with Excel 2007

1.) Enter your data in the worksheet. X-data should go in column A, and the corresponding Y-data in column B. Do not include units or the unknown.

2.) Highlight the cells you typed your data into, then select Insert from the ribbon and choose Scatter from the Charts category. Select the chart which does not connect the data with lines.
3.) Now you should have a chart inserted into your worksheet. To add a title and labels go to the Layout tab in the ribbon. You can also use the options under the Design tab to modify the look of your graph to fit your desires.

![Chart with Title and Labels]

4.) To add a line of best fit (linear regression in this case), click on Trendline in the Layout tab. Select More Trendline options.

![Trendline Options]

- **None**: Removes the selected Trendline or all Trendlines if none are selected.
- **Linear Trendline**: Adds/sets a Linear Trendline for the selected chart series.
- **Linear Forecast Trendline**: Adds/sets a Linear Trendline with 2 period forecast for the selected chart series.
- **Two Period Moving Average**: Adds/sets a 2 Period Moving Average Trendline for the selected chart series.
5.) In the window that appears, select linear for the Trend/Regression type and click on the checkboxes for “Display Equation on chart” and “Display R-squared value on chart”.

6.) Now your graph should be ready to print.