Click the **Save As Default** button. All traces will use the trace settings you chose in future uses of Probe. If you wish to return to the original settings, click the **Reset Defaults** button in the above dialog box.

### 1.N. Including Probe and Capture Graphics in MS Word

*Both Probe screens and Orcad Capture circuits can be copied and pasted into other documents. Here we will show how to paste them into a Microsoft Word document. We will start with the circuit of section 2:*

Select the portion of the circuit that you would like to copy. Note that **CTRL-A** selects everything, including the title block:

* Thanks to John Brews of the University of Arizona for suggesting this example.

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Within MS Word, you can use any of the techniques to paste a graphic into your document. I will select Edit and then Paste, but if you have experience with Word you can use the Paste Special menu selection or type CTRL-V.

You can now use MS Word to manipulate the picture to your needs:

Copying screens from a Probe display is just as easy as it was to copy circuit drawings in Orcad Capture. However, there are a few options in Probe for copying the screen that we can explore. Note in this section that your pasted screens will be slightly different than those shown here. This is because I have changed Probe to display plots with a white background to make the screen captures for this text easier to read. Your probe screen displays plots with a black background.

Run Probe, display some waveforms, and then manipulate the display so that the Probe displays what you want:
Select **Window** and then **Copy to Clipboard** from the Probe menus:

We are provided with several options as to how we copy the plot to the clipboard. We will first experiment with the background. Uncheck the option **make window and plot backgrounds transparent** and then click the **OK** button:

When you click the **OK** button, the image is copied to the clipboard. Switch to MS Word, place the cursor at the location at which you would like to insert the picture, and then select **Edit** and then **Paste** from the MS Word menus:
We notice that the plot background is black. This is the effect of not selecting the background to be transparent. Delete the picture and then switch back to Probe. Select Window and then Copy to Clipboard, and select the options as shown:

![Copy to Clipboard - Color Filter](image)

Options selected.

Here we have selected options to make the background transparent and use the screen colors shown in Probe. Click the OK button to copy the Probe screen to the clipboard. Switch to MS Word and paste the image into your document:

![Probe Screen in MS Word](image)

A transparent background looks better. We also note that the traces are displayed in color. Once you have the picture pasted into your document, you can Use MS Word to manipulate the picture for your needs.

The screens below show the effects of selecting the other two options for copying Probe screens. The difference between the screens shown here may not be obvious because the screen captures are shown in grey scale.
1.O. Exporting Data From PSpice and Probe to MS Excel

*Data from PSpice can easily be exported to other programs by copying the traces displayed by Probe. To copy data from PSpice, you must run the simulation, display the results using Probe, and then copy and paste the data from Probe into MS Excel or another spreadsheet program. Once the data is in your spreadsheet, you can manipulate it or export it to other programs such as MATLAB by using comma separated values (.CSV) formatted data files.

Run Probe and display some waveforms. I will use the simulation of section 2 and display Vin and Vo.

* Thanks to John Brews of the University of Arizona for suggesting this example.

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Click the Left mouse button on the text label of trace you wish to copy as shown below. When the text and trace is selected, the text should be highlighted in red:

Once the text is highlighted in red, you can copy the data. Select Edit and then Copy from the Probe menus to copy the data of the selected trace:

The data for the trace has now been copied to the clipboard. Switch to your spreadsheet application and select the cell that you would like to contain the text label for the time data. The data will be pasted into two columns. The first column will contain the time coefficient of the data. The first row will contain the text labels of the data (Time and V(Vin) in this example). I will paste the data starting at cell A1:
Select **Edit** and then **Paste** from the menus to paste the data into your spreadsheet:

Cells A1 and B1 contain the names of the two columns of data. However, the text contains leading spaces and do not fit in the columns. If you select cell A1 you will notice that the text contains a number of spaces before the text. Remove extra spaces before the text in cells A1 and B1:

The spreadsheet is now a little more readable. You can now manipulate and plot the data with your spreadsheet:
We can copy the data from several traces at the same time and then paste that data into a spreadsheet. In the Probe screen below, we have three traces displayed:

To select multiple traces, hold down the **CTRL** key and then click the **Left** mouse button on the text label of the traces you want to select:

When a trace is selected, the text label should be highlighted in red. When you have selected all of the traces, select **Edit** and the **Copy** from the Probe menus. Switch to your spreadsheet and then paste the data:
There are four columns of data. One column for time and the other three contain the voltage data for the selected traces. Once again we need to modify the first row so that the text labels fit within the columns. When we remove the leading spaces from the text labels and we change the column widths in the spreadsheet, the labels for the columns are easily seen:

We can now do just about anything with the data we have exported from PSpice and Probe.