Lab 2 Grading Standard:

1) *In grading, do not explicitly assign points to the various sections. Rather, take points off for incorrect, incomplete or missing items.*
2) *When you take point off, be sure to write a short comment as to why the points were lost.*
3) *Example: (-1) What is the measured value of the component?*
   (-3) What is the mathematical formula that you are plotting on top of your data?

General Notes:

- The axis of all plots must be labeled. This should include the quantity, the units and numerical values.
- The boxed questions should be answered in the lab book.
- Procedures must have a circuit diagram.
- Measured values of components used should be recorded in the lab book.

Failure to measure a component value when possible (max -1 per occurrence)
Missing units on components, plot axes, tables … (-1 per occurrence).
Missing plot (-4 per occurrence).
Missing axes labels on plots (-1 per label).
Missing column labels on tables (-1 per label).
No fit to linear curves (-2 per occurrence).
No fit values with units (-2 per occurrence).
No comparison of fit values with expectations when possible (-2 per occurrence).
Missing theoretical calculations when expected (-3 per occurrence).
Failure to answer questions (-2 per question, maximum of -10)

Pre-lab Signature:	10
Purpose/Introduction	5
There should be a two to five line description of what they are going to do in this lab. This is all or nothing for points.	
2.4.2: High Z versus 50 Ohm:.	5
They should have some comments on what they did and what they saw with the scope.	
2.4.3: How good are our measurements?	
Procedure with Circuit	5
Record values of components	5
Comparison of hand-measurements and scope measurements	5
2.4.4: Other Waveforms	
Recorded voltages for wave forms	5
2.4.5: AC-DC Coupling	
Procedure with Circuit	5
Data collected going to about 0.1 Hz frequency	5
Bode Plot of the data + 3dB point	5
Fit to low frequency part, they should get 20db/decade	5
	5
2.4.6: The R-2-R Ladder	
Procedure with Circuits	5
Data collected -- table of frequency, v_in and v_out with sufficient points	5
Bode Plot of the data + 3dB point	5
Fit to high-frequency fall-off, they should get 20 dB / decade	5
Questions	10
Conclusion/Summary	5