50 pts Lab #1  Notebook Grading

THE FOLLOWING ITEMS ARE REQUIRED:

- Student's work reproducible from notebook.
- Title and date for each lab section.
- Written in ink.
- Student signed every page.
- Student dated every page.

15 pts  PRE-LAB:

3 pts  1. Transfer function $V_o/V_s$ for circuit in Fig. 1.
5 pts  3. Matlab Bode plot.
2 pts  4. -3dB point marked on both Hand-drawn and Matlab Bode plots.

35 pts  EXPERIMENT 1:

10 pts  (3a) Bode magnitude plot computed using the Brute-Force method.
8 pts  4. Bode magnitude plot computed using the clever method.
10 pts  5. Bode phase plot computed using the clever method.
5 pts  6. Comparison of hand-calculated and Matlab Bode phase and magnitude plots.
2 pts  7. Explanation of the importance of the -3dB point for the Bode magnitude plot.