Do the On-line Assignment “HW #7.”

Pencil-and-Paper problems:

Do the following problem (20 pts.) **Chapter 16**: 54.

Please write neatly and show your work clearly. Staple your pages together.

**Academic Honesty**

You may use, without proof, any results from your text by simply quoting the result and giving the reference (e.g. equation number or page number). You should understand *how* that result was obtained, but you need not transcribe the derivation. Similarly, you may use results obtained in class, as long as you give an appropriate acknowledgement.

If you get bogged down with any of the problems, do not hesitate to discuss them with me or with a fellow student. However, if you discuss a problem with *anyone* (besides me) you should acknowledge that collaboration. Please see the Academic Honesty policy for more information about appropriate and inappropriate collaboration.