There are many problems in this assignment, but none of them are huge. As always, if you feel that you need more practice with these fundamental concepts, then do more problems from the book, or come talk to me. :)

On this and future homework, you are welcome to use Mathematica (except when explicitly forbidden). For handing in your work, one option is to rewrite/redraw the answers that Mathematica gives; that's probably the most educational way to proceed. Another option is to print directly from Mathematica; in that case, show both the code that you used and the output that it gave, and discuss as necessary. You can also use calculators or other software.

Also, remember that you will not have any software or calculators for exams. So make sure that you could do all the work by hand, if you had to. In other words, use technology to expedite tedious tasks that you know how to do — not to avoid doing tasks that you can't do.

Section 10.1 #4, 24, 30, 57
Section 10.3 #1ab, 3ab, 8, 10, 19, 26, 32
Section 13.1 #13, 25-30, 36.