1. Repeat the lead compensator design in Lecture 20.

2. Re-do the frequency response of $G(s) = \frac{1}{s+1}$ in Lecture 22.

3. Do E8.2 of the textbook.

4. Do E8.3 of the textbook.

5. Do E8.4 of the textbook.

6. Do E9.6 of the textbook (Hint: Use Matlab and provide Bode plots for justification).

7. Do E9.8 of the textbook (Hint: Use Matlab and provide Bode plots for justification).