1. Do Exercise 3.4: 2
2. Do Exercises 3.4: 3 and 9
3. Do Exercises 3.4: 4 and 10
4. Do Exercises 3.4: 5 and 11
5. Do Exercise 3.4: 15
6. Do Exercise 3.5: 17
7. Do Exercise 3.5: 18
8. Do Exercises 3.6: 13 and 21
9. Do Exercises 3.6: 15 and 23
10. Do Exercises 3.6: 16 and 24

Note: If a problem says to sketch a phase portrait or $x(t)$ and $y(t)$ graphs, you can do this by hand or you can use Matlab.