45. Use Dijkstra's Algorithm to work on Problem 5 of Section 8.2 in the textbook.

46. For either Figure 23 or 24 of Section 8.3 in the textbook, find the maximum flow from source to sink using the Ford-Fulkerson Method. Also find a cut whose capacity equals the maximum flow in the network.

47. Read Section 8.4 of the textbook. In particular, find a misprint on page 416.

48. Work on Problem 6 of Section 8.4 in the textbook.