1. (10 pts) Cormen et al., page 563, Exercise 20.2-6

2. (10 pts) Cormen et al., page 572, Exercise 20.3-10

3. (15 pts) Cormen et al., page 598, Exercise 21.2-4

4. (15 pts) Cormen et al., page 598, Exercise 21.2-5