All questions are from CLRS.

1. 26.1-6
2. 26.1-9
3. 26.2-6. Assume that for every vertex $v$ which is neither source nor a sink the flow conservation rule applies, and that the capacity constrain rule applies for each edge of the graph.
4. 26.2-9
5. 26.3-3
6. (Bonus) 26.3-4