Universal Rule for all homework: Unless otherwise stated, all solutions must include a brief proof that they are correct. For problems that involve following a procedure we have discussed in class, showing the steps you took and giving an indication of what was done at each step (for example writing that “State $q_3$ was removed to obtain the following equivalent super-NFA.”) suffices to satisfy the rule.

Section 2.3: 2, 4, 9, 13 (given a finite set of strings, construct an NFA that accepts exactly the strings in the set)

Section 3.1: 2, 4, 9a, 10