# Homework 6 (CS/Math 385)
## due October 19, 2018

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 6.1: 6, 7, 15, 21

Section 6.2: 2, 4, 9, 10

Section 6.3: 1

You may use facts we proved in class without proving them again.