Read Chapter 5: Sections 5.1-5.3, up to (but not including) Example 5.16 on page 313. You may also omit Examples 5.7 and 5.9.

Do the following exercises at the end of Chapter 5. As usual, you need not turn in the ones with answers in the back.

1. Hint: For (b), recall the lack-of-memory property in Section 5.2.2.
2. 
3. 
4. 
5. 
7. (Answer in back.)
9. (Hint: Start by considering whether or not machine 1 fails before time $t$.)
11. 
26. There is an extra part (d) in the 9th edition:

(d) Suppose that you enter the system when it contains a single customer who is being served by server 2. Find the expected time you spend in the system.