1. Problem 4, p.415.

2. Problem 11, p.434, but instead of the variance assumption in the book, assume that the variance of type B’s is six times the variance of type A’s.

3. Do Problem 1, p.461, but with critical region $X \geq 2$. Also, draw the graph of the power function $\pi(\theta)$ for $0 < \beta < \infty$, and mark the size on the graph.

4. Problem 2, p.461. Also, draw the graph of the power function $\pi(\theta)$ for $0 < \theta < \infty$, and mark the size on the graph, when $n = 4$.

5. Do problem 3 on p.469, but instead of the pdf’s given there take $f_0$ to be the pdf of a beta(2,2) and $f_1$ to be the pdf of a beta (4, 2).

6. Problem 6, p.470.

**Recommended.** §8.1: 3-6, 13. §8.2: 1-7, 10. §8.8: 2,3.