

From DeGroot and Schervish:

Sec. 3.8 (p. 164): #10,11; Sec. 3.9 (pp. 175-6): #4,6,12,14*; Sec. 3.10 (pp. 176-179):#21,24

1. In problem 8 on p. 164, verify the answer (Homework 6 solutions) with a simulation in R.
2. In problem 11, p. 164, verify that your method works with a simulation in R.
3. *In problem 21 on 178, determine the marginal pdf of $X/(X + Y)$. Verify your answer with a simulation in R.