Ex 9

Problem 1: Multiple Integration Exercise

Problem 2:

(1)Let Y=X1+X2, X1 and X2 are independent random variables where X1~Unif(0,6), X2~Unif(2,4)

Draw the density plot of Y.

(3) Study the sample size effect for the distribution of in one figure.

Sample size: 5, 10, 30, 100

Draw the normal QQ plot with Shapiro test for each sample size.

Problem 3:

6.3 Exercise 1~5