Homework 8 (Due Friday, March 11, 2016)

Section 8.5: #4, #6, #7.

Supplementary Exercises (Section 8.9): #11, #13, #22

Section 9.1: #3, #5, #19.

Additional Problem:

Let X_1, \ldots, X_n be a random sample from a normal distribution with mean μ and variance σ^2 . Derive the level α likelihood ratio test for $H_0: \mu = \mu_0$ vs. $H_1: \mu \neq \mu_0$.