Homework 6

1. Complete the R exercise. All the code is provided; be sure to explain how each of the steps worked for you.

2. 8.19

3. 8.39, but assume the population standard deviation for females is $\sigma = 0.55$.

4. 8.60a-f, but assume $H_A : \mu > 42$. For part (f), compute the p-value in R.

5. 8.83, but use $H_0 : p = 0.75$.

6. Graduate students only. Complete 8.90, but assume $H_A : p > 0.7$ for (b), and compute the p-value in (d) by hand.

7. Answer the following questions using the example in 8.117

   (a) 8.117a-b

   (b) Compute the test statistic and state the test result.

   (c) Compute a p-value.

8. 9.110 (refer to your work on question 8 in Homework 5).