Homework assignment for Monday, November 23\textsuperscript{rd}, due Wed, Dec 2\textsuperscript{nd}

Do the following problems from Chapter 16 of *Mind On Statistics*, sent by email:

16.3  
16.7ab  
16.8  

Then do the following problems:

There is a dataset linked to the class webpage, called Student0405.txt, which contains data gathered in statistics classes in 2004 and 2005. The data set includes labels in the first row, so if you are using Stata, use “Import” -> “ascii data created by a spreadsheet” and then do not enter new variable names.

The two variables you will use are:
- \textit{studyhrs} = students’ estimate of how many hours they study each week, on average  
- \textit{seat} = response to the question “Where do you prefer to sit in a classroom (front, middle, back)?”  

1. Conduct a one-way analysis of variance to compare mean weekly hours of study for the three seat location groups. State null and alternative hypotheses, carry out the test, and state a conclusion in the context of the problem.

2. Use the Tukey multiple comparisons procedure to determine which population means differ. Summarize the results.