Please turn in solutions to the following problems from chapter 7. (Section 7.7, pg 239). It seems like a lot of problems, but many of them are short (once you do part (a) of 12, the rest follow fairly easily).

12, 16, 18, 22, 36 and 67. Please **do not** do **all** of #67, just as described below:

Problem 67, from part(a):

* Take an SRS of 500 families, and complete parts (i)-(iv). Do **not** print your sample. Not in your printout, nor in what you turn in online. Just turn in what is asked for.
* **Do not repeat** the procedure for 5 different samples. Just estimate the parameters using the one sample.
* Turn in your code as a .R file, and turn in your answers to parts (i) - (iv) along with the rest of your homework (on paper).

Point distribution:

12: 3+1+2

16: 4

18: 2

22: 1

36: 3

67(a): 8