Name _____

Email _____

Reading Quiz for Sheather Chapter 6

1. Download the file "pgatour2006.csv" from Canvas, week05 folder in the files area, and read it into R.

   There are 11 numerical variables in this data set (and one text variable, which we will ignore). Which variables need to be transformed so that they are more nearly normally distributed (or at least symmetric & unimodal)[1]?

   List *only* the variables that need to be transformed. For each variable you list,

   - Say what transformation is needed
   - Justify your transformation, by describing a graph or other evidence from the data.

   You do <u>not</u> have to list variables that do not need to be transformed!

[turn over]

---

[1]The variable "PrizeMoney" is the average prize money per tournament for each player. The other variables are features of the tournament and/or each player's performance.

2. If time permits, regress PrizeMoney on the other 10 numerical variables (using any tranformations you found above) and comment on the casewise diagnostic plots.