1. Problem 8.1 in your book. [This is an exercise on deriving some further properties of the hat matrix, and its diagonal elements.]

2. Problem 6.13 in your book. [An opportunity to play with factors in regression, in the context of data in a now-classic case on salary discrimination.]

3. Problem 6.14 in your book. [An excuse to think about the impact of how you code factor variables on the estimates that you obtain.]