1. In one-way ANOVA, show that the "total sum of deviation from the grand mean" = "between sum of squares" + "within sum of squares" (for the equation see page 6 of Lecture #4).

2. Conduct an ANOVA analysis for data in Exercise 4.1 on page 138 of the textbook.

3. Conduct an ANOVA analysis for data in Exercise 4.4 on page 150 of the textbook.

4. Conduct an ANOVA analysis for data in Problem #1 on page 169 of the textbook; ignore those questions (a)-(g).

5. Answer questions #1, #2 and #3 on page 169 of Box Hunter & Hunter textbook.