Homework 5
MTH 4230, Spring 2020
Due Friday, March 13

| Chapter in Book | Problems |
|---|---|
| 7 | 7.1, 7.2, 7.3*, 7.4**, 7.12, 7.20, 7.22, 7.24, 7.25 |

\* For **Problem 7.3**, after fitting the model using `lm()`, the command

> `anova(my.reg)`

will produce the ANOVA table showing the ***extra sums of squares*** and partial $F$ test statistic ($F^*$).

\*\* For **Problem 7.4**, don't forget to enter the predictors into the model in the correct order, $X_1$, then $X_3$, then $X_2$, e.g.

> `my.reg <- lm(hours <- cases + holiday + costs,`
                `data = my.data)`

prior to using `anova()` to obtain the *extra sums of squares* and *partial F test*.