

# Math 148 Spring 2016 Homework Four

February 20, 2016

## Chapter 10:

Review Exercises #1, 2, 5, 6,10 on page 176 of the text.

**Read this carefully:**

The instructor has a textbook with **ISBN 0-393-92972-8** and **ISBN 13-978-0-393-92972-0**. The coordinating TA has a different ISBN and there is a difference between the two that matters for **problem 1 in ch10**:

Parts (i) and (ii) of the instructor's book ask for total scores below/around 800 whereas the TA's version asks for total scores below/around 1,000. The **correct number is in both cases 1,000**. Please correct the assignment in your book if it does not show this correct number.

Hint to #2(b): Reread ch.10.3.

## Chapter 11:

Review Exercises #1, 2, 3 on page 198 of the text.

Hint to #2: If you look at the students with a high school GPA of  $x = 2.8$ , then

- a. what is the meaning of the  $y$ -value  $\hat{y}$  that corresponds to the regression line (i.e., the point with coordinates  $x = 2.8$  and  $y = \hat{y}$  is on the regression line)?
- b. How do you interpret the r.m.s. error  $r_{\text{est}} = 3.12$  for the above?

**All the answers must be typed by computer.**