

## Homework 6, Math 181A Winter 2023

Due by Saturday noon, February 25 (pacific time).

Relevant section in textbook by Larsen and Marx: 6.2, 6.3.

Relevant lecture notes: Lecture 14 and Lecture 15

**Note:** For this homework, if you see the word “decision rule”, use the approach by finding the critical values and critical regions (Problems 6.3.4, 6.2.1, 6.2.6). Otherwise, always calculate the p-value as some training (Problems 6.3.3, 6.3.6, 6.2.8).

**Problem 1:** Larsen and Marx question 6.3.3.

**Problem 2:** Larsen and Marx question 6.3.4.

**Problem 3:** Larsen and Marx question 6.3.6.

**Problem 4:** Larsen and Marx question 6.2.1.

**Problem 5:** Larsen and Marx question 6.2.6.

**Problem 6:** Larsen and Marx question 6.2.8.