

Math 54
Exam 4, v4, Answers
Spring 2018

- Problem 1.** $H_0 : \mu = 4.5$.
- Problem 2.** $H_1 : \mu < 4.5$.
- Problem 3.** -1.684.
- Problem 4.** -0.493.
- Problem 5.** Fail to reject.
- Problem 6.** $H_0 : p = 0.75$.
- Problem 7.** $H_1 : p > 0.75$.
- Problem 8.** 1.645.
- Problem 9.** 2.309.
- Problem 10.** Reject.
- Problem 11.** 0.0408.
- Problem 12.** 2.4163.
- Problem 13.** 0.05.
- Problem 14.** 1.3407.
- Problem 15.** $H_0 : \sigma = 1.0$.
- Problem 16.** $H_1 : \sigma < 1.0$
- Problem 17.** 13.848.
- Problem 18.** 16.138.
- Problem 19.** Fail to reject.
- Problem 20.** No.