

Math 54
Exam 4, v5, Answers
Spring 2018

- Problem 1.** $H_0 : \mu = 3.5$.
Problem 2. $H_1 : \mu < 3.5$.
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. 1.617.
Problem 10. Fail to reject.
Problem 11. 0.0461.
Problem 12. 2.4627.
Problem 13. 0.05.
Problem 14. 1.3061.
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.