

Math 54

Exam 4, v1, Answers Fall 2017

- Problem 1. $H_0 : \mu = 4$.
- Problem 2. $H_1 : \mu < 4$.
- Problem 3. -1.684.
- Problem 4. 0.0.
- 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. 2.771.
- Problem 10. Reject.
- Problem 11. 0.0382.
- Problem 12. 2.3950.
- Problem 13. Unknown ($= 1 - \beta$).
- Problem 14. 1.3706.
- Problem 15. $H_0 : \sigma = 1.0$.
- Problem 16. $H_1 : \sigma < 1.0$
- Problem 17. 13.848.
- Problem 18. 12.442.
- Problem 19. Reject.
- Problem 20. Yes.