

**STU22005 Applied Probability II**  
**Continuous Assessment Sheet 1, Answer Sheet**

For each question, fill in the following answers. Please use the 'insert text at cursor' option to add your answers. Save the document with your answers included and upload to Blackboard.

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1.

a. Test statistic value = 1.265.

Critical value = 3.25.

Conclusion

Fail to reject H0

b. Test statistic value = 1.414.

Critical value = 2.365.

Conclusion

Fail to reject H0

c. Test statistic value = 2.5.

Critical value = 1.318.

Conclusion

Reject H0 and accept HA

2.

a. Probability = 0.067

b. Probability = 0.036

c. Probability = 0.057