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.

Name _____ Róisín Ní Bhriain _____

Student number _____ 18326577 _____

1.

   a. Test statistic value = __ 4.427188724 __.

      Critical value = __ 3.250 __.

      Conclusion As the observed test statistic is higher than the critical value ~~we must reject the H0 and accept the HA~~

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   b. Test statistic value = __ 1.414213562 __.

      Critical value = __ 2.365 __.

      Conclusion
      The test statistic is between -cv and +cv so we must fail to ~~reject the H0~~

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   c. Test statistic value = __ 2.5 __.

      Critical value = __ 1.318 __.

      Conclusion
      The observed test statistic is higher than the critical value so ~~we must reject the H0 and fail to accept the HA~~

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2.

   a. Probability = __ 0.0668 __

   b. Probability = __ 0.35855 __

   c. Probability = __ 0.0571 __