

STU22005 Applied Probability II
Continuous Assessment Sheet 1, Answer Sheet

- Open the pdf in Adobe and click on '**Comment**' (on the right-hand-side panel) and use the '**insert text comment**' option (along the top panel that appears after you click on 'Comment') to add your answers.

The 'T' icon is the one to click on:



and when you hover over it what appears is:

Add text comment

The text should appear visible on the page (not hidden in a side comment).

- Save the document with your answers included and upload to Blackboard.
- Do not discuss your answers with anyone else, do not show your answers to anyone else and do not look at any other student's work.

Name Chike Okafor

Student number 20332400

1.

a. Critical value used 3.25

Confidence interval (correct to two decimal places) (0.50, 0.51)

b. Interpret the confidence interval (one sentence)

We are 95% confident that the true population mean lies within
the interval (0.50, 0.51).

c. Sentence explaining the distributional assumption

We assumed that the population we got the data from was
normally distributed.

Sentence explaining how the distributional assumption could be checked

The data could be checked with by putting it into a histogram, then
check to see if it forms a normal density curve.