

STU22005 Applied Probability II
Continuous Assessment Sheet 2, 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.

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- Save the document with your answers included and upload to Blackboard.
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1.

- a. Description of the random variable L The number of years added to
the patient's lifespan.

$E[X]$ 4.6 (report just the number)

$\text{Var}[X]$ 7.84 (report just the number)

- b. Distribution of \bar{L} Normal

Probability 0.488