**STU22005 Applied Probability II**
**Continuous Assessment Sheet 3, 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: 
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1.

a. Give the estimate of the intercept 151.298 (report just the number)

Give the estimate of the slope -5.16 (report just the number)

Give the equation of the estimated line

y = 151.298 - 5.16x (report the equation with estimated values)

b. Interpretation of the estimated slope

The amount of gas released decreases at a rate of 5.16 the more of the reactor is used.

c. Interpretation of the estimated variance

The variance represents the approximate variance of the error terms.