STU22005 Applied Probability II Continuous Assessment Sheet 3, Answer Sheet

For each question, fill in the following answers. Please use the 'insert text at cursor' option to add your answers (please **do not use** the 'add comment' function to do this).

Save this document and the separate document with your workings, and upload both to Blackboard.

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1.		
	7	Give a one sentence answer based on the sketch (that should be in your workings). The reduction values seem to move in a positive direction as the dose is nereased
	b.	4.541 Intercept estimate: 0.0704 Slope estimate:
	c.	The estimated average reduction in blood pressure increases by 0.0704 for each unit increase in dose
		The estimated average reduction in blood pressure is 4.541 when the dose is 0
	d.	2.974 Variance estimate: This estimation tells us how accurate the model is variance interpretation at predicting values. The smaller the MSE the
	e.	Are the assumptions reasonable? Yes I believe the assumptions are reasonable. From looking at the plots it seems as though the expected value for the error term is 0, the variance seems to be consistent
		across the value and the error terms don't seem to be dependent. The QQ plot indicates that the error terms are normally distributed.