Quest	tion 17 (14 m	arks)			
	Tina believes that approximately 60% of the mangoes she produces on her farm are large. She takes a random sample of 500 mangoes from a day's picking.				
(a)	Assuming Tina is correct and 60% of the mangoes her farm produces are large, what the approximate probability distribution of the sample proportion of large mangoes in sample? (3 m				
(b)	What is the probability that the sample proportion of large mangoes is less than 0.58 (2 m	3? narks)			
(c)	Tina decides to select the mangoes for her sample as they pass along the conveyor to be sorted. Describe briefly how Tina should select her sample. (2 m	belt narks)			

P	A random sample of 500 contains 250 large mangoes.					
(d)	On the basis of this data, estimate the proportion of large mangoes produced on farm.	the (1 mark)			

e (2 marks)
z marks)
(4 ma a mls)
(1 mark)