

5. The table below gives the carapace lengths of ten mature *Thenus orientalis* lobsters caught in the sea in the vicinity of Singapore. Suppose you wish to describe the variability of the carapace lengths of this population of lobsters. Find a 99% confidence interval for the population variance  $\sigma^2$ .

Carapace Length (mm)									
78	66	65	63	60	60	58	56	52	50