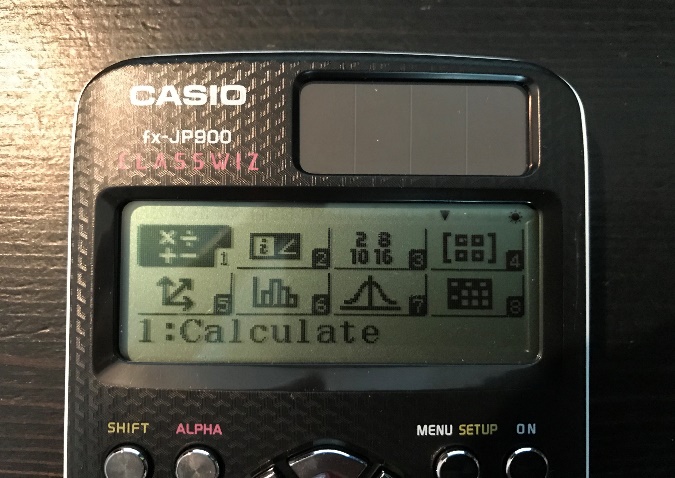
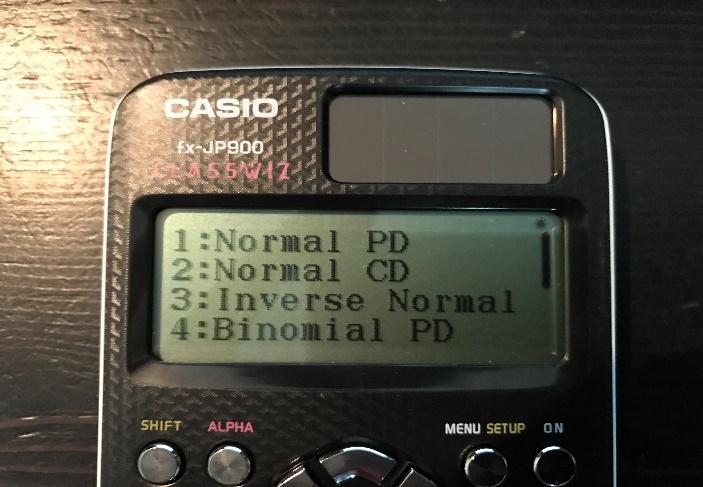
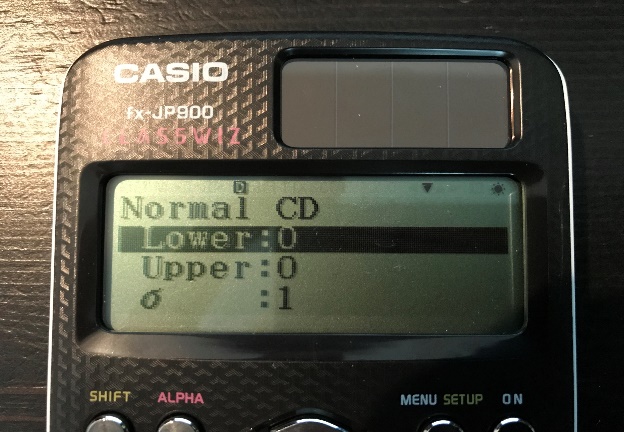
**3B Finding Probabilities**

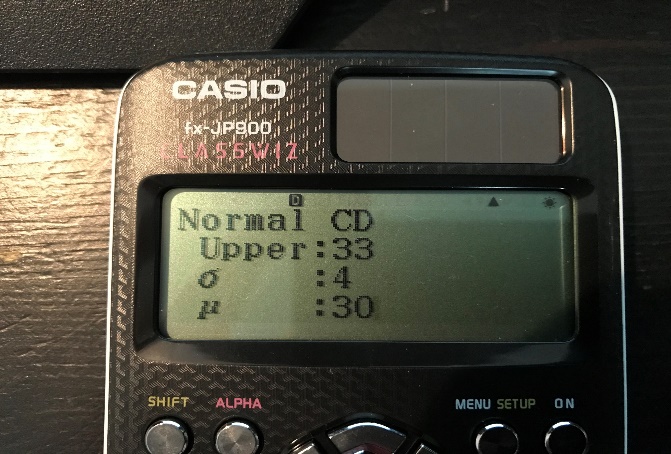
1. Given that , find:

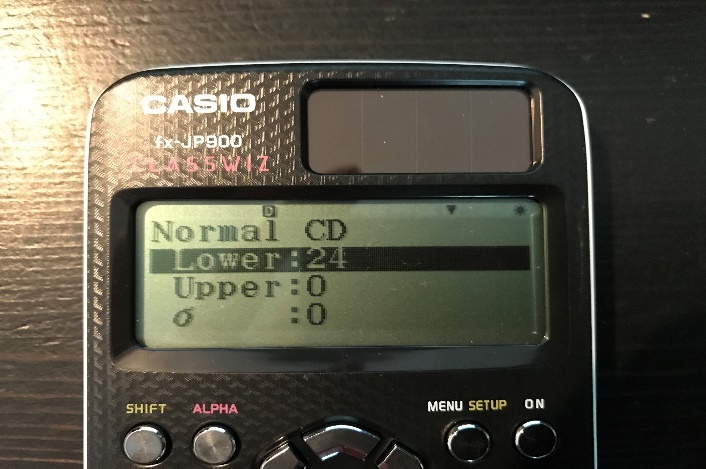


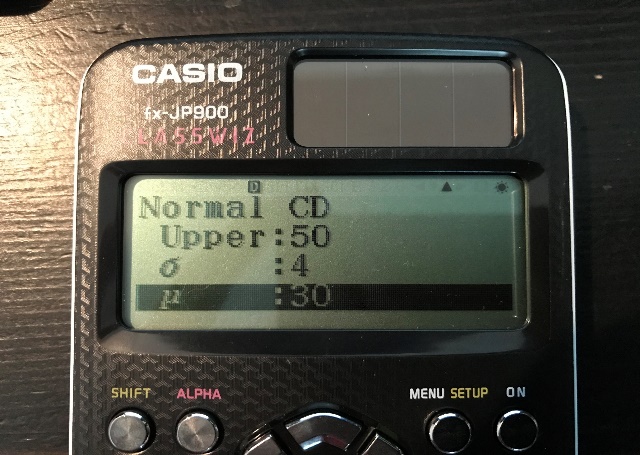


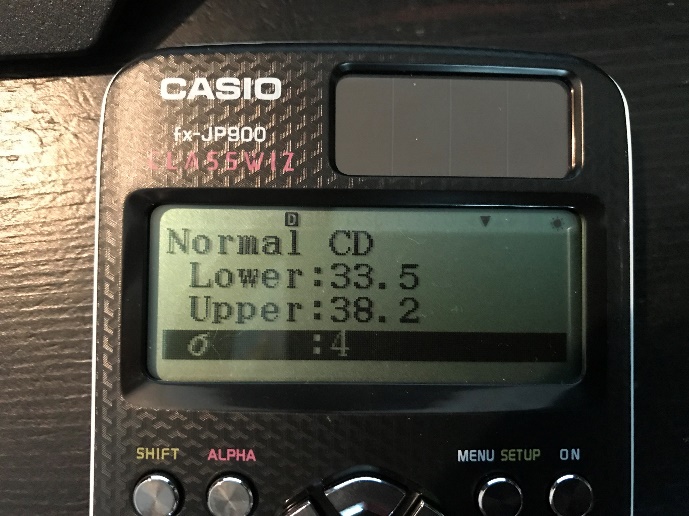


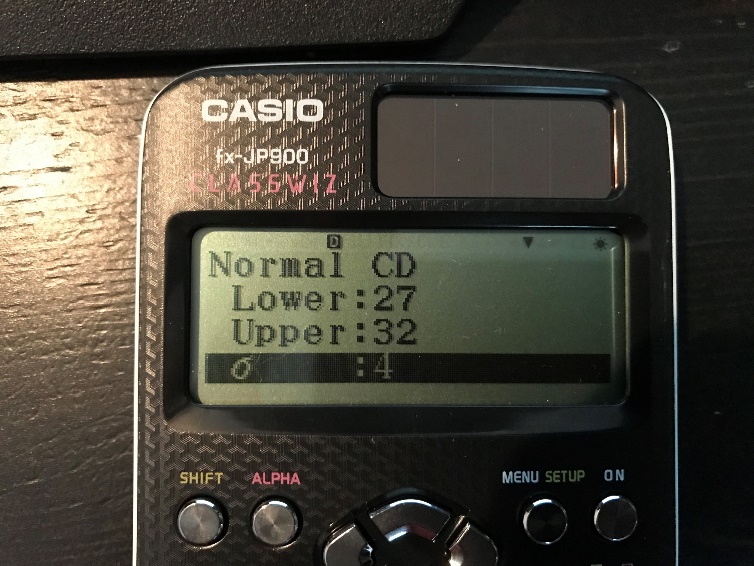












1. An IQ test is applied to a population of adults. The scores, X, on the test are found to be normally distributed with . Adults scoring more that 140 on the test are classified as ‘genius’.
2. Find the probability that an adult chosen at random achieves a ‘genius’ classification
3. Twenty adults take the test. Find the probability that two or more and classified as ‘genius’