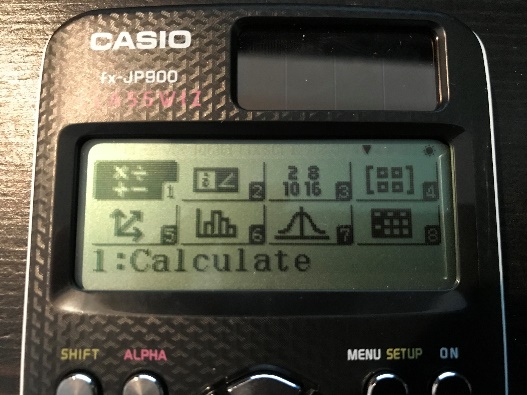
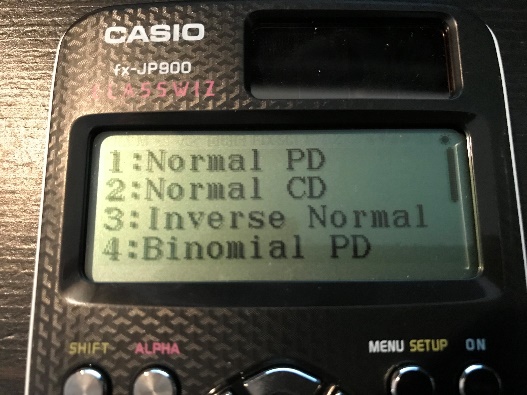
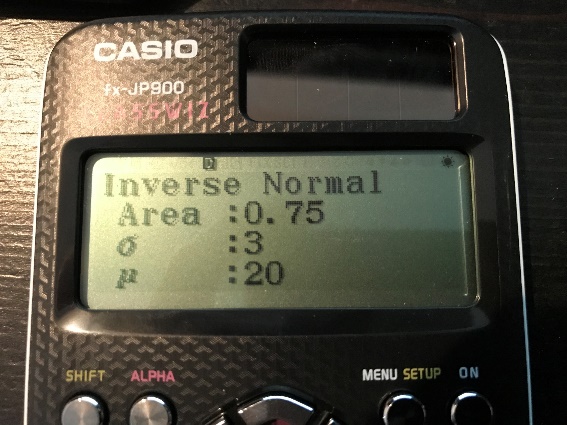
**3C Finding Values From Probabilities (Inverse Function)**

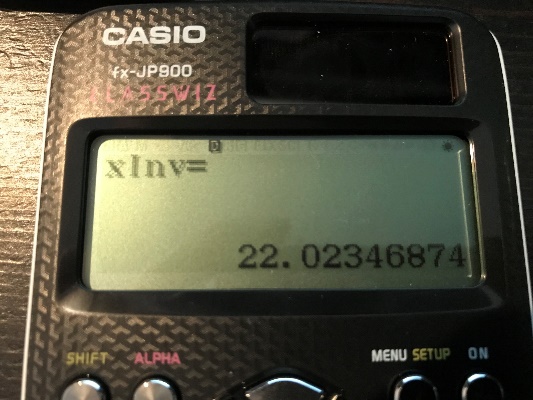
1. Given that find, to two decimal places, the values of a such that:

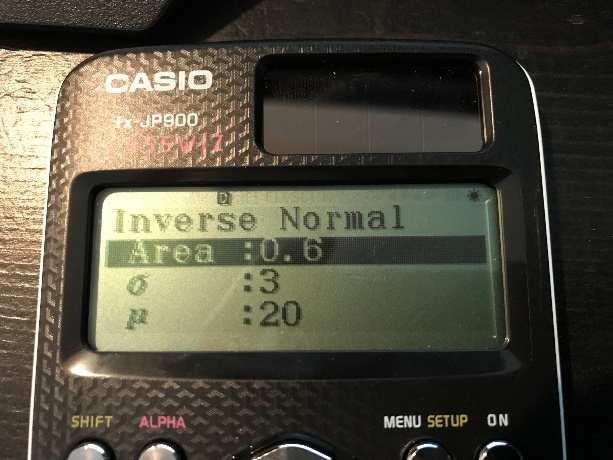


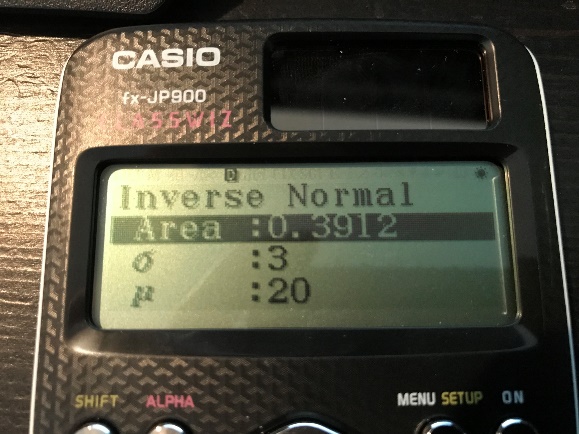












1. Plates made using a particular manufacturing process have a diameter, , which can be modelled using a normal distribution, .
2. Given that 60% of plates are less than , find the value of .
3. Find the interquartile range of the plate diameters