9TATISTICS ASSIGNMENT Q1 Plot a histogram, 10,13,18,00, 51, 90, 38, 40, 45, 51, 36, 57, 88,90, 92,94,99 no of bins = 5 size of coch bin = 100 88 90 40 92 3 45 27 94 51 2. 99 56 38 57 1 60 ø 40 20 02. In a quart test of CAT Evan, the population SD= 100, A sample of 25 test taken has a mean 9, 320, construct a 80% CI about mean, 0=100 n=25  $\overline{\alpha} = 520$ 0/=1-0.8 on! 五十四月前 1-0.1=0.9 x + Zois [ 100 Ja5] 520 ± ZOOI 100

=> 520± 20.1 (QO) =7520±1.29(20) & Z0.1=1. =) 520+1.29(00) 8320-1.29(20) → 50520+25.8 > 520-25.8 8 494.2 =) 545.8 Dy 494.2 1-to 54€.8(CI). 03 what is value of 90 penertile? 2,2,3,4,55,5,6,7,8,8,8,8,9,10,11,11,12, Value = perceatile + x N+1 = 99 X×00 198 = 19 index = 12 My 04 In left on night spenied data, most is relationship between mean, median and mode? Deans she graph to responsant the same. In left specied, mean < median < mode. median

