

so a Quart test of CAT coam, the population standard deviation is known to be 100. A sample of 25 test takens has a mean of 500. Gastruct a 80° la G. I. about mean? 00 = 100 Ans: 7=25 死= 520 X= 1- CI = 240 5 =) 520 = 20.1 + 20 => 520 ± 1.28 x 20 =) 494.4 lower 545-6

A can company believes that the percentage of residents in city that owns a vehicle is 60% on the A sales manager disagrees with A He conducts a hypothesis testing surveying 250 residents and gour ninus of age best organ arin a vehicle. ) state the null and attended by At 10% significance level, is the enough evidence to support the ide that vehicle ownership is city is 60% or loss. # Po = 60°/0 P, 7 60°10 20218 = 176 (10 a) subo D= 20 = 170 = 0.68 D 250 90 = 1-00 = 1-0.6 = 0.4 Q=0.1 C.I=0.9 9 de 19000

SINSEMALE

g - 1054 = \$ - PO

0.68 - 0.6 1 250

80.08 10.24/250

0.08 0.030

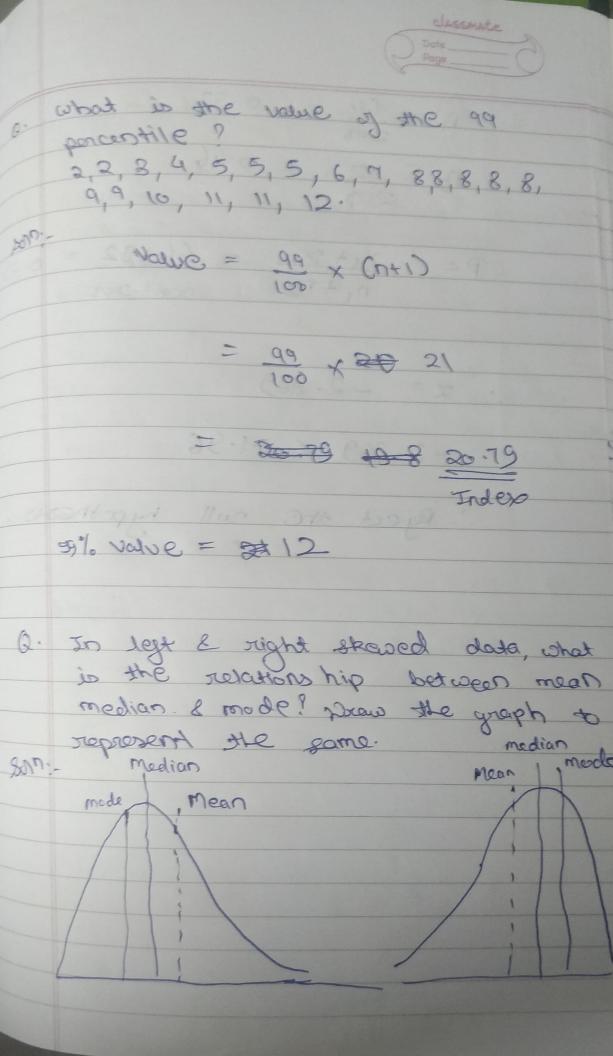
= 2.67

p- value (2.67) = 0.99492 0.994692>20.1 p-value < of

ant Dojes :.

0.994692 > 0.1

i. & Accept the null hypothesis



To test pight skewed: spool mode < median < mode mode < median < mean In left skewed: mean & median < mode