Assignment a. A Car Company believes that 1. of residents in city is that owns a vehicle is 60% or less - A salos manager disagrees will this he conducts a hypothesis testing surveying 250 residents and found that 170 responded y se to owning a vehicle. a) State the NoII & statemete. b) At 10% significan level, is there enough evidonet Support the idea that valu vehicle ownership in city ABL PS 60% or less? Null Ho: Po7 60 nz 250 P=0.6 Alternate M, ; P, > < 60 x = 170 p = x = 170 = 0.68



Po 90=1-Po=1-0.6=0.4

 $\sqrt{20.1}$  C.I = 90.

-1.29 Degree of freedom = n-1=

0.68-0.6

0.6x0.4 250

= 0.08 × 0.031

= 0.00247. Accept the non hypothesis 0.00247 >-1.29 or -1.28

ownership is more than 60%.