assignment,

\* A cat company believes that the percentage of residents in city ABC that owns a vehicle is 60%. Or less. A sales manager disagrees with this He conducts a hypothesis testing surveying 250 residents & found that 170 responded yes to owning a vehicle.

(a) State the Null & Alternate Hypothesis

(b) At 10%. significance level, is there enough evidence to support the idea that vehicle ownership in city ABC is 60%. or less!

>1) Ho: Po = 60%.

H,: PO L 60%.

one tail test

 $N = 250 \cdot x = 170$ 

 $\frac{250}{100} = \frac{170}{250} = 0.68$ 

 $900 = 1 - P_0 = 1 - 0.60$ 

= 0.40/

(2) L = 0.10 (.T = 901).

1-0.05 = .05 0.95 1.65

= 2.309

