(g.)

A ear company belives that the percentage of nesidents in eity ABC that owns a Vechicle 1/60% or len. A sales manager dinagree, with thin. He conducts a hypothesis testing Surveying 250 hesidents and found that 170 ruspomes yes to owning a vechile.

- (Stale the mull and alternal hypothesis
- (b) At- 10% significance level, is there emough evidence to support the idea that vehicle owner ship in city ABe is 60% or len?

Am. (a) Null hypothesis (Ho): $P_0 \leq 0.6$ Afternalis hypothesis (H): $P_0 > 0.6$ M = 260, $\Omega = 170$ So the proportion (P): $\frac{170}{250} = 6.68$ 90 = (1-90) = (1-0.6) = 20.4 21 = 90% 21 = 90% 21 = 90% 21 = 90% 21 = 90% 21 = 90% 21 = 90% 21 = 90% 21 = 90% 21 = 90%