9) A can company believes that 1. of nesidents in city ABC that own a vehicle is 60% on less. A sales manager desagrees with this. He conducts a hypothesis testing surveying 250 prosidents and found that 170 prosponded yes to owing a State null and alternate hypothesis.

At 10% significance level, is there enough exidence to supposed idea that rehicle whenhop in city ABC is 60% on less? => Null hypothesis Ho: Po = 60%. Alternate hypothesis H,: P, > 60%. n = 250x = 170 water of the standard Peroposition $\hat{p} = \frac{21}{n} = \frac{170}{250} = 0.68$

much the in the succession dillocation on the modern con-200 = 15 Po = 100.6 = 0.4 cm

Spanificance value cc z 0.9 = 1.645

Z =
$$\frac{\hat{\beta} - \hat{\beta}_0}{\sqrt{\frac{\rho_0 \gamma_0}{250}}} = \frac{0.68 - 0.6}{\sqrt{\frac{0.6 \times 0.4}{250}}} = 2.58$$

Gas 1. of coor ownership in city ABC is more than 60%.