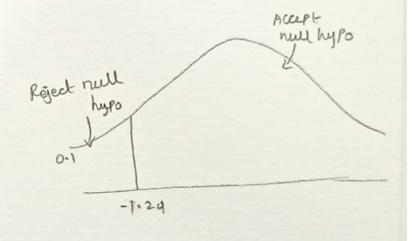
Assignment :-A con company belives that the percentage of residents in city ABC that owns a vertible is 60%. Or less. A sales Manager disagrees with this. He conducts a hypothesis testing surveying 250 residents and found that 170 responded yes to auning a realides.

- a) state Null and alternate hypothesis
- 6) At 10°1. Significance level, is there enough evidence to support the idea that vehicle ownership in aty ABC is 60% or less?

$$a_{0} = 1 - P_{0} = 1 - 0.6 = 0.4$$
  
 $d = 0.1$ 



$$Z = \frac{\hat{p} - P_0}{\sqrt{\frac{P_0 a v_0}{n}}} = \frac{2.582}{\sqrt{\frac{0.6 \times 0.9}{250}}} = \frac{2.582}{2.50}$$