A can company believes that the percentage of residents in City ABC that own a vehicle is 60% or cest. A saley managel disagree with this. He conducts a hypothesis telling surveying 250 residents and found that 170 respondinged yes to owing a vehicle. A) a State the New ay Alternate Hypothesis. b) At 10% significance level, & there enough evidence to support the idea that vertible owel in city ABC is 60010 (or) less Po= 60%, n=250, 7=170, d=10% one-tail, z-test Ho: Po 600% 1-H1: Po760% 30012 42.1-P = 2 = 170 = 0.68 Wan July 1000 250 11 1001A No = 1-Po = 1-0.6 = 0.4 3. Cordifien Boundary 4. Z-fest with Proportion:

2-test = 2.582

2-582 > -1.28

Accept the Null Hypothesis.

The 0/0 of resident owns a vehicle is 60% or less