Assignment-5 Company a) A car, believes that the percentage of citizens

in city ABC that owner vehicle is 60% or less. A sales Manager disagrees with this. He conducted a hypothesis testing surveying 250 residents & found that 170 residents responded yes to owing a vehicle a) state will and alternate hypothesis?

b) At 10% Significance level, is there enough evidence to support the idea that vehicle owner in ABC city is 60% or less. n= 250

N= 170 Ho? Po € 60/ Null Hypothesis EI=10% HI= Po 760% Alternale Hypothesis P= 7 = 250 20.68

90=1-P0=1-0.6=0.4(40:1.) z-test= P-Po

d=1-51=1-0.1=0.9 1 Po 20 Rejection. 20.68-0.6

(0.6)(0.4) 601. 41.34 V 250

2.6671.34 E Reject Null Hypokusis 3 using 2-lable, 0.08 0.24 V 250 P-Value 20.08

20.056 P. Value Sb. LO. 9 0.030 2 2.66 [Another method]. Y AYE2 ? 0.9844