P= 170 =0.68; pivalue > x value 0.12 > 0.05. Po = 0.8 182.8 19 -11-0.6 -0.ALS So aught the null hypothesis May to solword with it d=0.01 31 36 10 10 10 1000 (Q) A car company believes that the % of Ho: - Po < 60. 11: 15 Should Residents in city Apr that owns a H1: P0>60) WIN 19 1000 relicle is 68/2 or less. A salos mary One tailed lest disagrees with this. He conducts a 1849 -08285 hypothesis teshing Surveying 250 Z test = P-Po = 0.60 lesidents and hound that 170 responded yes to owning a vehicle. @ State the mil & affecuate hypothesis to At 10% 8 griticane lovel, is 116 44000 - 10 45 1 - 013 a There enough confidence to Bupport the idea that Welnicle 3411 2 1100 be 205811 connership is City ADC' à 60% or A Welland & to tree Ztasse value for 0.01 is Po = 500% Tong ! moportion D.99 = 2.33 Po 5 0.6

Z score > Z table Val. 2.581 > 2.33. so me reject the mult hypothesis ie the percentique of people who owns the vehicle is greater than 60 voning Pullu test 28000 = 2.581 2 = 0.01 3.581 3.581area ander is

Curve 37.581 = 0.9950'6. 1-0.99506 = 0.0044 Pilaline = 0.0044. d Verlen = 0.01 Poul- L d yst. So we seject the mill bygother