

	Page No. Delia		Page No.
(2)	In a quart test of the (AT exam the population standard deviation is known to be 100. A sample of 25 tests taken	3	A cas believes that the percentage of citizens in city ABC that owns a vehicle is 60%
	has a mean of 520. Construct a 80% (7 about the Mean.		or less. A sales manages disagrees with this. He conducted a hypothesis testing surveying 250 residents & found that 170 residents
	$n=25$ , $\sigma = 100$ , $\chi = 520$ , $(T=80)$ , $\alpha = 1-0.80$	a)	state the noull alternate Hypotheris.
	01 011		
	Lower 520 Higher (545)		At a 10% significance level, is there enough evidence to support the idea that vehicle owner in ABCCity is 60% or less
	Lower 520 Mighes (545.4)  (494.3)  Z-Test = point Estimate & Margin of Error		Wull Mypotheris No=Po < 60%
	2 ± Z <sub>2</sub> 0	(3)	$H_{i} = P_{o} > 60\%$ $n = 250, \alpha = 170$
	7 + 2 5 2 - Zx 5		$\alpha = 0.900$ P= $\alpha = 170 = 0.68$
	520 + Z <sub>02/2</sub> 100 520 - Z <sub>02/2</sub> 100	3	
	520 + 70.1100 $520 - 70.1100$ $5$	10x 6.00	Reject will Zier - P-Po
ahee	= 494.4 Lower = 494.3 = 545.4 former	Ange	Reject will Ztex= P-Po Reject will Prope  1.285 1.285 1.285 2.33 (2.59) 1.60 × 0.4  Acrest 2.50
tence			Accept 233/2-59/ 160000