$\bar{x} = 91.6 + 88.75 + 90.8 + 89.95791.3$ 6=3 8.11 = 452.4 = 90.48100 (1-2)= 95 (1-4)=0.95 d = 0.05 d/2 = 0.025Menn, standard deviation are known. n=5 (n<40, but o is known) X - Z1/2 6 = µ = X + Z/2 6 90.48-11.96) (1.34) < p < 90.48+1.96(1.34) 87.85 EME 93.10  $6^{2} = 1000 \text{ psi}^{2}$  n = 12  $\overline{x} = 3250$ 8.15 6= 31.62 CI=95%, Z42=1.96 a) X= 3250 x - 2/2 6 8 M8 x + 2/3 8

 $3250 - 1.96 \left( \frac{31.62}{3.46} \right) \le \mu \le 3250 + 1.96 \left( \frac{31.62}{3.46} \right)$ 3232.088 < M < 3267.911 CI = 99% b) Zx1) = 2.58  $3250 - 2.58 \left( \frac{31.62}{3.46} \right) < \mu \leq 3^2 50 + 2.58 \left( \frac{31.62}{3.46} \right)$ 3250 - 23,577 ≤ M ≤ 3250 +23,577 3226.423 < M < 327 3.577

		Wys
8.29	n=16	
4 2	X= 60139,7	
The transfer of the second	S = 3665.94	morrow will be an inches and an inches an inches and an inches an inches and an inches an inches and an inches an inches and an inches and an inches and an inches and an inches an inches and an inches and an inches and an inches and an inches an inches and an inches and an inches an inches and a
	n-1=15	
A 100 CO	&I = 951/1 100(1-4)=95	154
The state of the s	1-2=0.93	
	$d = 0.05 \qquad d/2 = 0.02$	500
	= 0 : 02	5
	- + 2+ - E 5 - 1 - 1 - 1 E - + + + + + + + + + + + + + + + + + +	and the second s
3	$\overline{x}-t_{12},n-1$ $S \leq \mu \leq \overline{x}+t_{12},n-1$ $\overline{m}$	
	m m	
and the state of t	60 139.7 - (2,131) 3645,94 EME	
	T16	
	31 -N	Pars
	60139.7 + 2.131 3645	94
	To Section 200 Section 1	
	58197, 3254 < µ < 62082, 674	
		1
,		

5=0.008 8.48 n=15 CI=991/1 K=0.01 n-1=14 Lowen bound: (n-1)s2 < 62 Nam-1 72 0.01,16=29:16 (14) (0.005)2 662 29.14 10-5x 3.0768 562 0,0000307 562 24/2=20,005=2,58 CI = 99./. 8.66 E=01017 p=0:5=1 (Assume)  $n = (\frac{240}{E}) p(1-p) = (2.58) 0.25$ = 82 5758.13 Sample size, n = 5759 nguined