one-sample t-tast: Task -4 qued for composition of sample mean of obta to particularly given value the Can use for sample site is small a sample site <30. Ho: M=5 (Null hypothogis) ·111: M75 (altorrottro hypothosis) Jample Osta 2 b-2, 4.8, 5.5, 7-0, 6.8, 5.9, 4.7, 6.1, 5.6, 6.4 n = 10 2 = 59 = 5-9 3= 2(x;-50)2

		2
a;	xx4	(29-59)2
the same	b.3	0.09
6.2	-1.1	1.21
4.8	-0.4	0.16
\$.\$	1.1	1.21
7.0	0.5	0-8)
6.8 E 9	0.0	0.0
5.9	-1.2	1.24
Marion Common	0.2	0.04
5.6	-0.3	0.09
b.h	0.5	0.25
		9) = 5.50

$$t = \frac{5.9-5}{0.78/\sqrt{10}}$$

$$= \frac{0.9}{0.947} = 3.64$$

pagra of freedom = n-1 = 10-1=9 x = 0.05.

to.05,9 = 1.833 -> crectical value

30, 3.6471.833, NO réjort to.