PROB
Lissignment 23 2111-3153
mud-
(al) 50 workers. were 2.1 ho dutre
$\bar{x} = 1.8  \text{hrs}$ . Co solid = 20 min more and solid = $\bar{x}$
I find to the population and distriction. 90% confidence
$\frac{1}{2}$ $\frac{10}{2}$ = 5% = 0.005
$\frac{3}{60}$ $\frac{10}{60}$ $\frac{1}{3}$
Zait= -1.64, 11.64
1.88 - 1.65 (13)= (50)
$ .0+ .65(V_3)= .88$
the distribution lies between 1.72 and 1.88 moderne average is higher

50 ap 225 240 215 206 211 40 193 250 225 201 95%. Febret true ver x - 217.7 5 (225-2177) - 30000 9 - 5/. 5. [0.015] Y = 10 - 1 = 9 Y = 2 - 162 217 - 7 + 2 - 162 217 - 7 + 2 - 162 47 - 195 = 4/7.49 217.7+2:262 (17.49) = 230.21 217-7-2.262 (17.40) = 205.17 250.70 < True man < 205.19

(03) Holy 42,000 x = 43,160 H1744000 B= 0.95 pp 5=5530

> 20 2 = x-Ho 50/JN

z crit = 1-65

43260 - 00 4000 = 1.31900 5230/50

**Q**1

1.319 < 1.85 thus Ho is not rejected. or an not be said if are > 42000 (Qy) Ho= 24b His 724b

9:0.05 5= 45.7 F = 1476 = 5000 18.94

2 ont> 1.65



Z = 28.94-24 = 1.229 ~ 1.23 28.7/551

P(271.972) 51-0-8907 50=1093

is 95th greater than a 020.05

(QE) 12 ni 10 ma ¥= 85 18 = 2 3 = 4 5=5 B=0.95 0.05 Se oH H 07 2 11(16)+9(25) 4.472 Y = Mtni-2=16+12-2=10 tant = 1.725 +71.73

0 difference surfer than 2 units

HOOX 2.8 2 = 0.02 B=0.02

0.05 [0.025]

V= 19

to d= 2.093

2.09

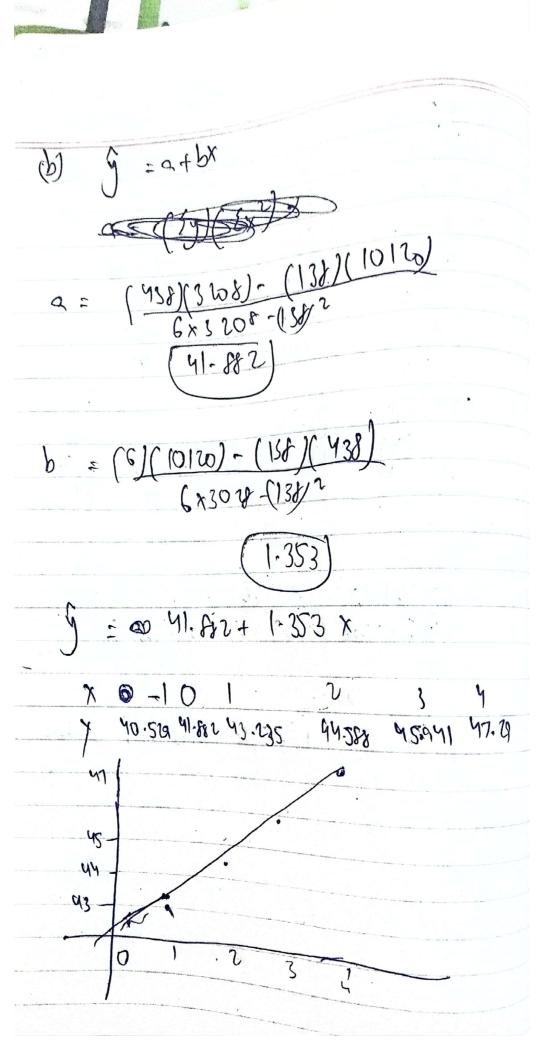
t= 3.85-58 =-3.46

· doent lie in AR, rejectel

Q1	KX	½²	yr
(a)	125 4	361	4356
	1702	SU	5476
	1800	625	5184
	(8 Voi	576	5 776
	roy	676	6084
	1512	441	5184

$$5x = 138$$
  $5y = 488$   $5x^2 = 3 \text{ Los}$   $5y^2 = 50$   $32060$ 

bec ral, 500 consellion is they



9 = 41.882.+1-353(30) = 82.47=83. (0) (g) 3 = 0.05 tc = 2-796 t in a A. R. thus

\* 03 Ex=311.6 2y=1912 2x2=8134-16 2y2 5 7407-8 .(xy=7687-76 9: a+bx 297.2x8134.26-311-6x7687.76 15×813 H. Se -(311-6)2 42582 N 5-285-0-886 X

