Name: Kaghan Maheshwarei ROUNO: 53 Panel: A Tutorial -3 Ans! $bny = \frac{cov - (n, y)}{c^2}$ $\frac{bny}{15} = \frac{8}{15}$, $\frac{by}{15} = \frac{-5}{6}$, $\frac{9}{15} = \frac{2}{15}$ Ans 2 bry begg = 92 $\left(\frac{-8}{15}\right)\left(\frac{-5}{6}\right) = 91^{2}$ 71= \ 40 90 91 = ± 0-666 \$ 00.667 9x+y-1=0 Ans.3 4x+y= /4 1et suppose 9n + y- 1 be line of suggestion of your

y= 1-92 and n= 214 + 18 y Ans3 9x +y-1=0 $4x+y=a\mu$ -x=2, y=-3- Both both regersion line pass through point (n. y) 976+9-1=0 42 + y - M= 0 1= 97 + 4 1= 9(2) + (-3) $47 + 4 = \mu$ $4(2) + (-3) = \mu$ M= 5 Awy: Line of suggression your is 8x-10y+66=0

Line of suggression nany is 40x-18y-214=0 $\frac{3}{10} = \frac{8}{10} \frac{n + 66}{10}, \quad \frac{n = 18}{40} \frac{y + 214}{40}$

$$y=$$
 $0.8x + 6.6$, $x=0.45y + 5.35$
 $byn=0.8$, $bxy=0.45$

Correlation coeff- n andy is

Since both regrossion are positive, 21 = \$ 0.6

Ans 5 Line of regrossion you n is 3n+2y=26 line of regrossion nony is 6n+y=31

$$\frac{2}{52} = 325$$

$$= 35$$

$$\frac{1}{2} \quad \frac{1}{2} \quad \frac{1}$$

$$y = 13 - 1.5\pi$$
 $n = 5.166 - 0.166y$

$$byx = -1.50$$
, $bxy = -0.16$

Correlation coeff. le = Jony. byn

Since both suggestion are nogative

3 21= -0-48 by x = 91-54 = -1.5 = (-0.48).53→ Ty = 15.5