* For two variables X and y the equations of the regression times are 94-X-288=0 & X-47+38=0. Find X-X-1xy (4-4) (i) mean Values & X&4. 4-4 = pax (x-x) (11) colf of covelation (111) the rapo of the SDZY to that GX. Man passes thro 5 (IV) post probable value of y when X=145 mo repression lines (1) Most poopelle value & x when 4=35. -x+94-288=0-X+94-288=0 -x = 288 - 94*(i)* X-47+38=0 x == 288+94 - -288+450 54-250=0 4= 250=50 = 172 ⇒ Y = 50.

Let
$$94-x-288=0$$
 represent regression line 9×800 .
 $x = 94-288$
 $= 9 (4-288) \Rightarrow bry = 9$.

The line $x-44+38=0$ is regression line 9×900 x.

 $44=x+38\Rightarrow 4=\frac{1}{4}(x+38)\Rightarrow bryx=\frac{1}{4}$
 $7=bryybryx=9x+288=0$ is regression line 9×900 x.

 $194-x-288=0$ is regression line 1940 x.

 $194-x-288=0$ x.

 $194-x-288=$

(Tii)
$$6\frac{1}{9}$$
 = $\frac{1}{9}$ $\frac{1}{9}$ = $\frac{1}{9}$ $\frac{1}{9}$ = \frac

Regression line of youx is 94-x-288=0when x=145; $94=433 \Rightarrow 9=433$ Regression line x on y is 4x-4y+38=0 x=4y-38when y=35 x=4(35)-38=140-38=102

A panel of Judges A & B graded seven delators and independently awarded the marks. (4) July A: 40 34 28 30 44 38 31 36 (4) July B: 32 39 26 30 38 34 28 ? Eight deletter was awarded 36 marks by Judge A while Judge B was not present. If Judge B was also present, how many marks would be allot for the 8 delater. Son Judge A = X & Judge B = Y. To find regression line of youx.

Then Substitute x=36 in the above to find y.

Regression line of of on Xin 4-7= lyx(x-7)5 $4-32.4=0.5873\times-0.5873(35)$ 4-0.5873×+32.4-0.5873(35) Civen x=36 >> 4= 0.5873(36) +32.4 - 20.55 = 5354 -20.55 = 32.99

nothed of least squares. 4= atlx 4= a+lx+(x

Normal

Sty = na + b= x + c= x

21xy = a= x+ b= x+ c= x+ c= x

21xy = a= x+ b= x+ c= x+

4= a e. (Enponential curve) logy=log(ae) = loga + loge Loge = A + l X L= leger) X= A+ bx Normal S Zd = NA+ 1/2x
Normal S Zd = NA+ 1/2x