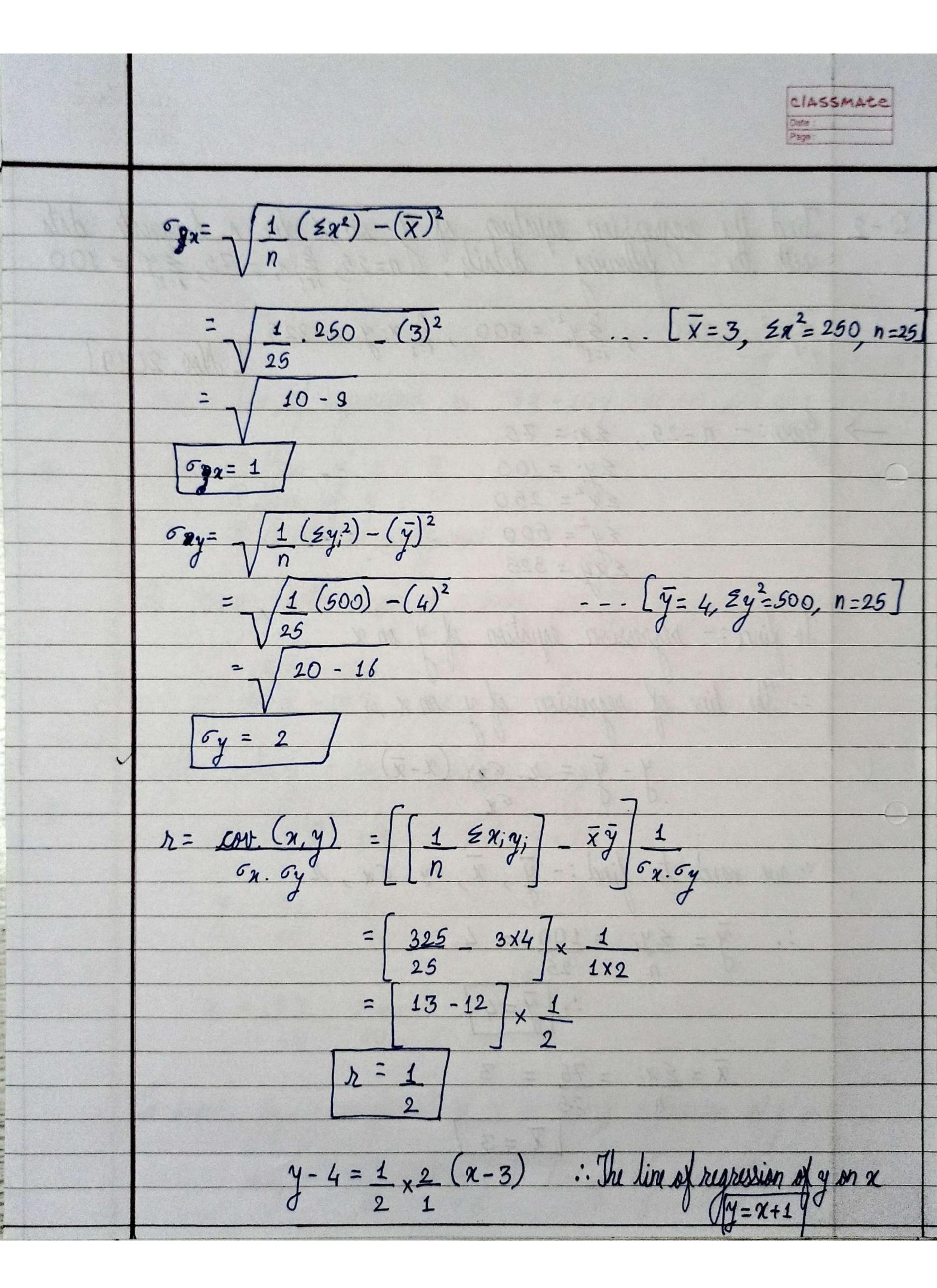
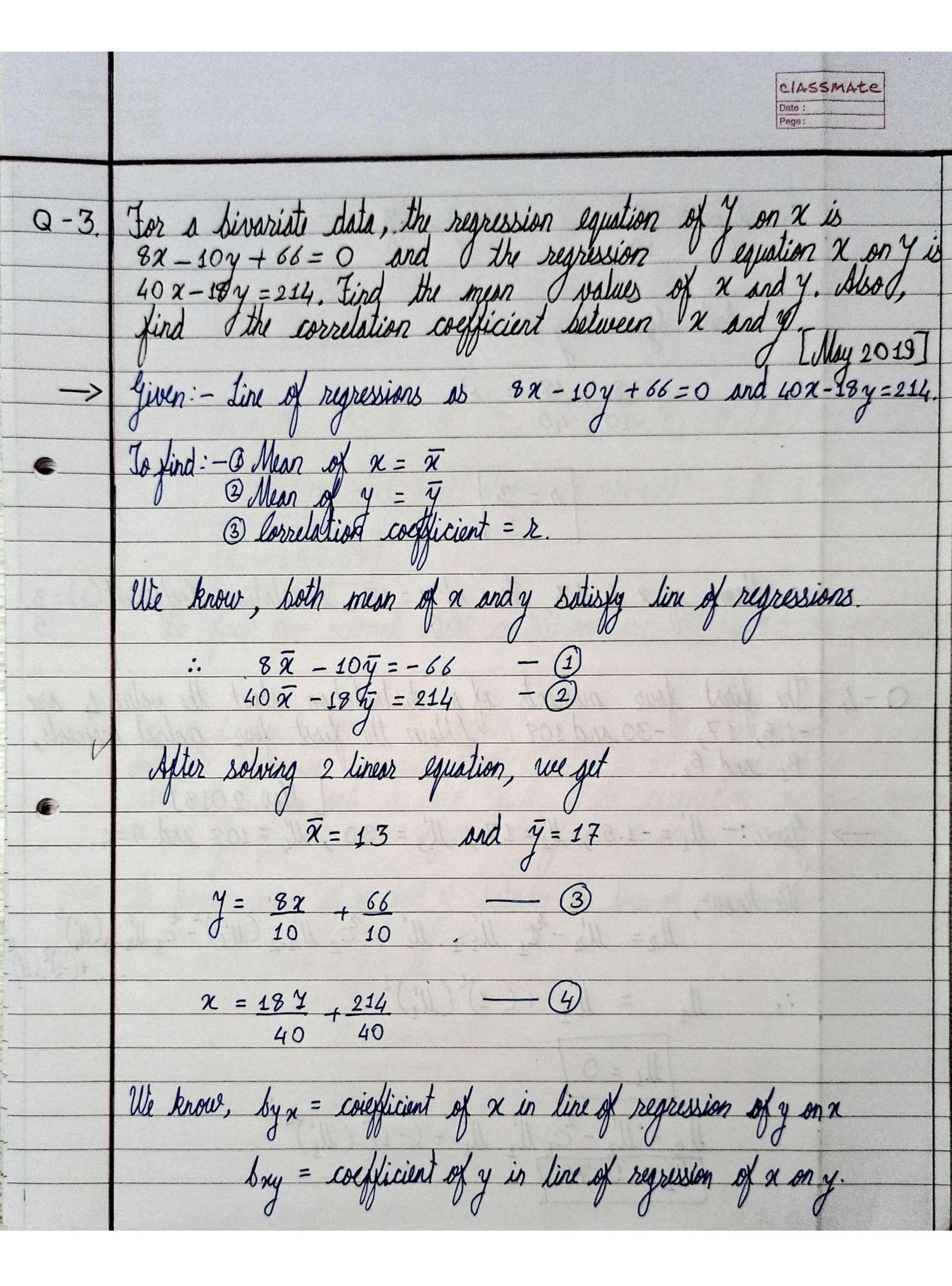
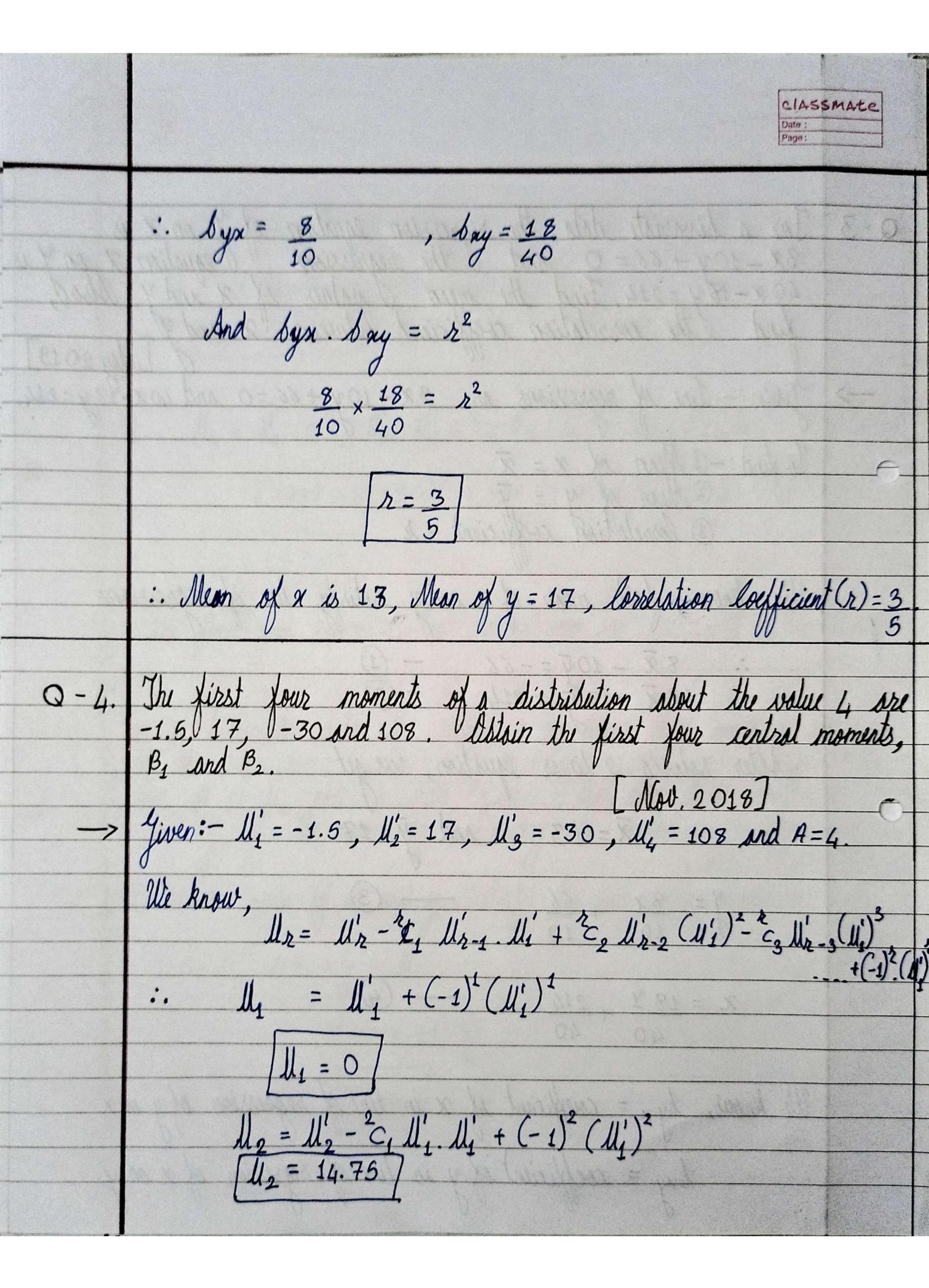


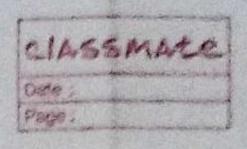
Classmate 6.222 - (0.255) = 6.222 - (0.0660) = 30.211 - 3 (6.222) (0.255) = 30.211-3 (1.5866) + 2 (0.0165) = 30.211 -4.75 98 + 0.033 112 = 25.4842 = 400.25 - 30.8152 + 2.427 - 0.0126 ll, = 371.8492. $\beta_1 = 1/2 = (25.4842)^2 = 649.4444 = 2.7824$ $L_2^3 (6.157)^3 233.4085$ $V_1 = \sqrt{\beta_1} = \sqrt{2.7824} = 1.6680$: It indicates considerable positive skuoness. $\beta_{2} = 114 = 371.8492 = 371.8492 = 9.8090$ $11_{2}^{2} = (6.157)^{2} = 37.9086$ $\beta_{2} > 3$ Distribution is Leptokurtic.

	CIASSMAte Date: ! Page:
Q-2.	Find the regression equation of y on x for a bivariate data with the following details. $n=25, \frac{2}{2}x_i = 75, \frac{2}{2}y_i = 100$
	$z_{x_{i}}^{2} = 250$, $z_{y_{i}}^{2} = 500$, $z_{x_{i}}^{2} x_{i} y_{i}^{2} = 325$. [Nav. 2019]
	$yiwn: -n = 25$, $z_{xi} = 75$ $z_{yi} = 100$ $z_{xi} = 250$
	$\frac{\xi y^2 = 600}{\xi xy = 826}$
	Jo find: - regression equation of y on x. The line of regression of y on x is
	$y - \bar{y} = z \cdot C_{\mathbf{x}} (\mathbf{x} - \bar{\mathbf{x}})$ $f = f_{\mathbf{x}} C_{\mathbf{x}} (\mathbf{x} - \bar{\mathbf{x}})$
	: we need to find: $-\bar{y}$, \bar{x} , ϵ_y , ϵ_x , r . : $\bar{y} = \underline{\epsilon} \underline{y}$; $= \underline{100} = \underline{4}$
	$\frac{1}{n} = \frac{200}{25}$ $\therefore \overline{y} = 4$
	$\overline{\chi} = \underline{\xi} \underline{\chi}_{i} = \underline{75} = 3$ $n 25$ $\overline{\chi} = 3$









14=157.49

: The first four moments about central men are 0, 14.75, 39.79, 15749

-5. For a bivariate data, the regression equation of y on x is 4x + y = 11

and the regression equation of x on y is 9x + y = 3. Find the

value of II, and 3. Also, find the correlation coefficient between

x and y, if the mean of x and y are 2 and -3 respectively.

Now. 2518

We know, mean of x and y satisfy the lines of regregression

 $\therefore \quad 4\bar{\chi} + \bar{y} = 1.$

11 = 4×2 + (-3)

11 = 5

