3   DATA POINTS $\{(0,2), (1,3), (2,1)\}$

$\bar{x} = 1$ $\bar{y} = 2$

$S_x^2 = \frac{2}{3}$ $S_y^2 = \frac{2}{3}$

$S_{xy} = -\frac{1}{3}$ $r = -\frac{1}{2}$

$a = 2.5$ $b = -\frac{1}{2}$