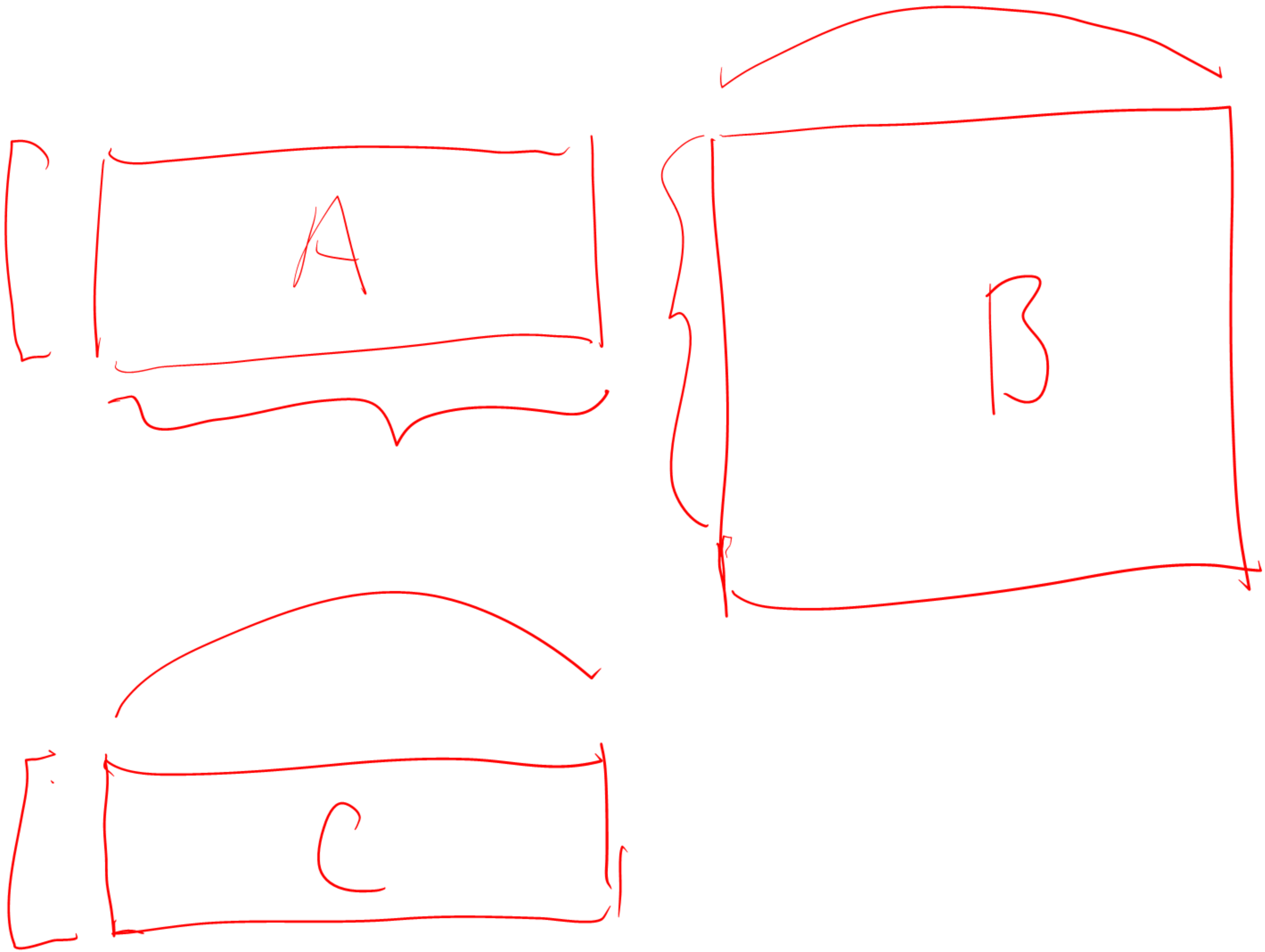
$$\mathrm{Cov}(X,Y) = E\{(X-\mu)(Y-\nu)\}$$

$$= E\{XY - X\nu - Y\mu + \mu\nu\}$$

$$= E(XY) - \nu E(X) - \mu E(Y) + \mu\nu$$

$$= E(XY) - \mu\nu$$

$$= E(XY) - E(X)E(Y)$$


A
B
C