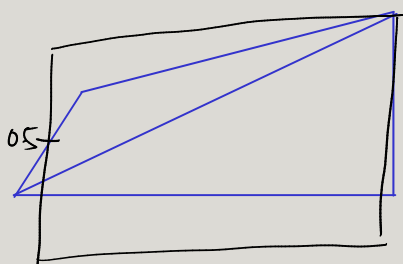
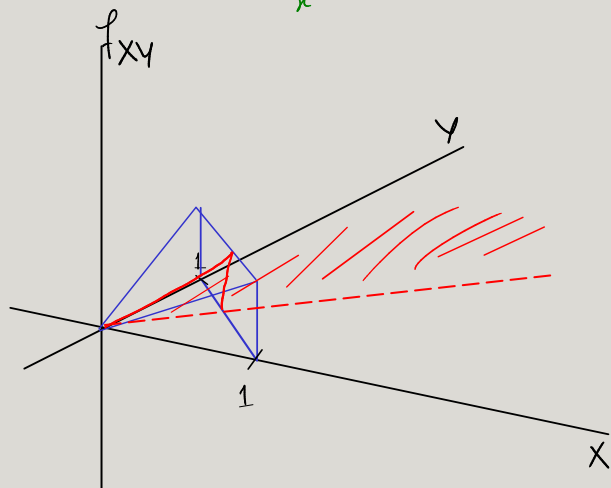
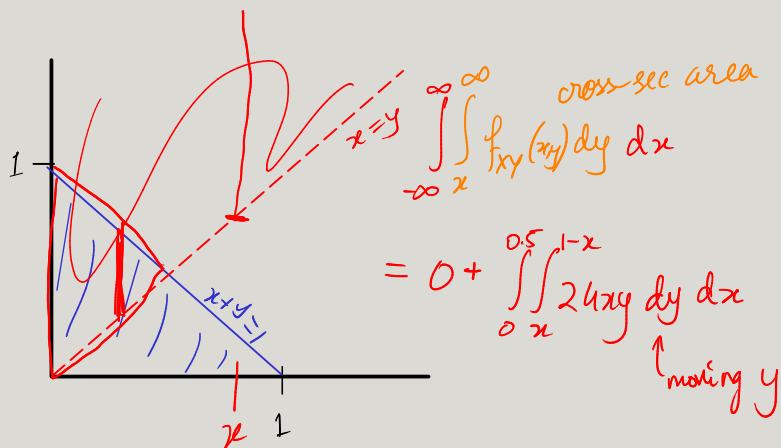
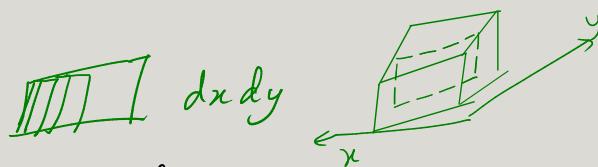
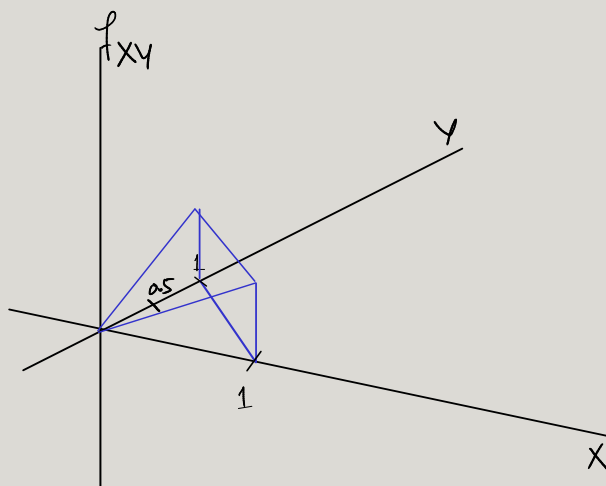


$$f_{XY}(x,y) = \begin{cases} 24xy, & x,y \geq 0 \text{ and } 0 \leq x+y \leq 1 \\ 0 & \text{otherwise} \end{cases}$$



$$f_{X|Y=0.5}$$



$$f_{X|Y}(x|y) = \frac{f_{XY}(x,y)}{f_Y(y)}$$

$$Pr[X > 0.25 | Y > 0.5] = \frac{Pr[X > 0.25 \cap Y > 0.5]}{Pr[Y > 0.5]}$$

integrate

← integrate

