MECH 6325 HWY

6)
$$f_{XY}(x,y) = \begin{cases} 6e^{-2x}e^{-3y}, & x>0, y>0\\ 0, & \text{or nerwise} \end{cases}$$

(e) $(= \begin{cases} 6x^2 & c_{XY} \\ c_{YX} & 0x^2 \\ 0 & 4 \end{cases}) = \begin{cases} 4 & 0\\ 6 & 4 \end{cases}$

(f) $p = \frac{C_{XY}}{C_{YX}} = 0$