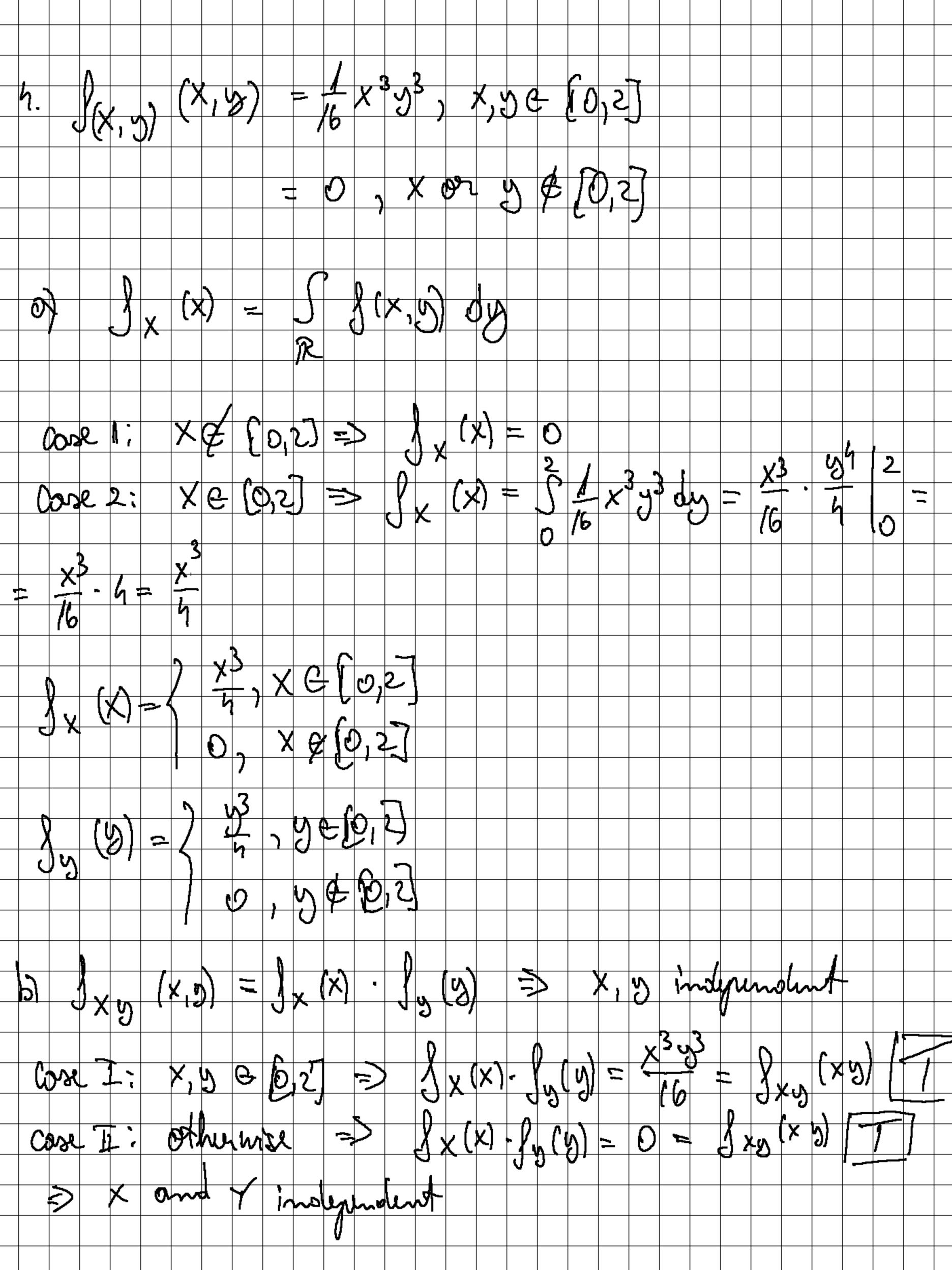


b) 
$$F(x) = \int_{-\infty}^{\infty} J(t) dt$$
  
Cose I:  $x < 1 \Rightarrow F(x) = 0$   
Cose I:  $x \ge 1 \Rightarrow 7/x = \int_{-\infty}^{\infty} J(t) dt = \int_{-\infty}^{\infty} \frac{3}{4^{10}} dt$ 





C) Find 
$$P(x \le 1)$$
 $P(x \le 1) = F_{x}(1) = \int_{0}^{x} \int_{0}^{x} (x) dx = \int_{0}^{x} \int_{0}^{x} dx = \int_{0}^{x} \int_{0}^{x} \int_{0}^{x} dx = \int_{0}^{x} \int_{$ 

