5)
$$\frac{S_{1}}{S_{3}} = \left(\frac{3-x}{3}\right)^{2} = 2 + \frac{3-(3-x)^{2}}{3} = 2 + \frac{3-(3-$$

Gregol $F_{x,y}(x,y) = 3 - \frac{1}{3}(3-x)^2 - \frac{3}{4}(2-y)^2$ 0 ano x20 y20 Fxy(xy) = ex+ by 76

/ 1-(3x)2 au x23 y72 => \left(x,y) = \frac{1}{3} \left\{(x,y) \in \delta\frac{2}{3}\right)} 1-4/1-4/2 and x23 y 22 $\int x_{i}y(x_{i}y) = \int \frac{1}{3} \text{ and } e \text{ is } \Delta_{i} \text{ us. } e$ $\times \epsilon(0,3) \quad y \epsilon(0,2)$ = 2x + 3y + 6

1 au x73 y72 A and DLXC3 OLYCL

$$\int_{x=2}^{x=2} \int_{xy}^{xy} (x) = \int_{xy}^{x} \int_{xy}^{x} (x) dy = \int_{xy}^{y} \int_{xy}^{y} (x) dy = \int_{y}^{y} \int_{xy}^{y} dy = \int_{y}^{y} \int_{y}^{y} dy = \int_{y}^{y} \int_{y$$

 $= \frac{3}{3}\left(2-\frac{2}{3}x\right)$ Ano x & [0,3], uso fx(x1=0 * /x(x) = \ \frac{1}{3} \left(\times \in \text{y po, 3y + exce } \frac{2}{3} \right) = \ \frac{1}{3} \left(\frac{1}{2} \times \in \frac{1}{3} \right) \left(\frac{1}{2} \times \right) \left(\frac{1}{2} \time