4) 
$$\#(x^2+3x)=?$$

$$= \#(x^2)+3\#x = - \text{ chemarne ry}$$

$$\#(x^2+5x) = \int_0^1 (x^2+5x) \cdot \frac{3}{4}(x^2+3x) dx = \text{ chemin...}$$

$$= \lim_{x \to \infty} \int_0^1 (x^2+5x) \cdot \frac{3}{4}(x^2+3x) dx = - \lim_{x \to \infty} \int_0^1 (x^2+5x) dx = - \lim_{x \to \infty} \int_0^1 ($$



$$\Theta \sim U[(0,2\pi)] = 7 \int_{0}^{\pi} |x|^{2} \int_{0}^{\pi}$$

$$S_{AOB} = \frac{SAUD}{2}$$

$$S_{AOB} = \frac{-SAUD}{2}$$

$$\frac{2}{2}$$

$$\frac{2}{2}$$

$$\frac{2}{2}$$

$$\frac{2}{2}$$

$$\frac{1}{2}$$

$$\frac{1}{2}$$

$$\frac{1}{2}$$

$$\frac{1}{2}$$

$$\text{Esaos} = \int \frac{8\pi y}{2} dy = 2 \int_{0}^{\pi} \frac{5\pi y}{2} \cdot \frac{1}{2\pi} dy = \frac{1}{2\pi} \int_{0}^{\pi} \frac{5\pi y}{2} dy = \frac{1}{2\pi} \int_{0}^{$$

# b odysa cayran' 
$$\times \sim U([a_16])$$

$$f_{X}[y] = \begin{cases} 0 & \text{and } x \notin [a_16] \\ \frac{1}{b-q} & \text{and } x \in [a_16] \end{cases}$$

$$\frac{c}{c} = \frac{1}{2\pi} \left[ -\cos y \right]_{0}^{\pi} = \frac{1}{2\pi} \left[ -\cos y \right]_{0}^$$