

$$\int \underbrace{x}_{\mu} \underbrace{\text{Sen } x \, dx}_{dv} =$$

MÉTODO DE INTEGRACIÓN POR PARTES

$$\int u \, dv = uv - \int v \, du$$

$$\begin{array}{ll} \mu = x & dv = \text{Sen } x \, dx \\ du = dx & v = \int \text{Sen } x \, dx = -\text{Cos } x \end{array}$$

$$= -x \text{Cos } x - \int -\text{Cos } x \, dx = -x \text{Cos } x + \int \text{Cos } x =$$

$$\boxed{-x \text{Cos } x + \text{Sen } x + C}$$