$$\mu = \ell_X$$
 $\chi = \ell_X$ $\chi = \ell_X$

· Substituedo (2) son (1), tomos que!

$$\int e^{x} \cdot cos \cdot dx = e^{x} \cdot cos \times + e^{x} \cdot cos \times - \int e^{x} \cdot cos \cdot dx$$

$$\int_{\mathbb{C}^{\times}} (x \times dx) = \frac{\mathbb{C}^{\times} (x \times dx)}{2} + C$$

2 = () x2. ex da . Mitodo Tabula: \(\text{x}^2 \text{ex} dr \\ \(\text{x} \) \(\text{x} \) \(\text{q} \text{x} \) \(\text{x} \) \(\text{q} \text{x} \) 0 $x^{2}e^{x} - 2x^{2}e^{x} + 2e^{x} + C$

$$3 = \begin{cases} x \cdot Q^* & dx \end{cases} \qquad \begin{array}{c} x = x \\ dx = 1 \end{array} \qquad \begin{array}{c} v = Q^* \\ dx = Q \end{array}$$

$$\int u \, d\sigma = u \cdot v - \int v \, du$$

$$= x \cdot e^{x} - \int e^{x}$$

$$= x \cdot e^{x} - e^{x} + c$$

$$4^2$$
 $\int x^2 \cdot e^x dx$ du

$$\mu = x^2$$
 $V = Q^x$

$$du = 2x dc dv = Q^x$$

$$\int u \, du = x^{2} \cdot Q^{\times} - \int Q^{\times} \, 2x \, dx$$

$$= x^{2} \cdot Q^{\times} - 2 \int Q^{\times} \cdot x \, dx \quad C1$$

$$= \sum_{i=1}^{n} \sum_{k=1}^{n} \sum_{k=1}$$

$$= x_{5} G_{x} - 3 (x \cdot G_{x} - G_{x} + C)$$

$$= x_{5} G_{x} - 3 (x \cdot G_{x} - G_{x} + C)$$

$$\int_{0}^{2\pi} \int_{0}^{2\pi} x \cdot \frac{\cos x}{3} dx = \frac{1}{3} \int_{0}^{2\pi} x \cos x dx$$

$$du = 1$$
 $dv = cos x$

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

$$= x \cdot n + - \int n \cdot 1$$

$$=\frac{1}{3}\left(x\cdot nx + mx\right) + C$$

$$6^{\frac{1}{2}} \int \frac{\ln x}{\sqrt{x}} dx = \int \ln x \cdot x^{-\frac{1}{2}}$$

$$u = \ln x \qquad v = 2\sqrt{x}$$

$$du = \frac{1}{x} \qquad dv = x^{-\frac{1}{2}}$$

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

$$= \ln x \cdot 2 \sqrt{x} - 2 \int \frac{\sqrt{x}}{x}$$

$$= \ln x \cdot 2 \sqrt{x} - 2 \int x^{-\frac{1}{2}}$$

$$= \ln x \cdot 2 \sqrt{x} - 2 \left(2 \sqrt{x} + c\right)$$

$$= \ln x \cdot 2 \sqrt{x} - 4 \sqrt{x} + C$$

$$u = x$$

$$V = \int on^{2}x dx = \frac{1}{4}x - \frac{1}{4} rend x$$

$$du = dx$$

$$du = dx$$

$$dv = ren^{2}x$$

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

$$= x \cdot \left(\frac{x}{2} - \frac{3u^{2}x}{4}\right) - \left(\int \frac{1}{2}x - \frac{1}{4}u^{2}x \, dx\right)$$

$$= x \left(\frac{x}{2} - \frac{3u^{2}x}{4}\right) - \frac{1}{2}\int x dx + \frac{1}{4}\int nn^{2}x \, dx$$

$$= x \left(\frac{x}{2} - \frac{nn^{2}x}{4}\right) - \frac{1}{2}\int x dx + \frac{1}{4}\int nn^{2}x \, dx$$

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$$\left(\frac{\pi^2}{2} - \frac{\pi \cdot \cot \pi}{4} - \frac{\pi^2}{4} - \frac{\cot 2\pi}{8}\right)$$

A Bosta roschen monadmente e ma finel fox F(h)-F(a).