Simulacro Parcial

a)
$$\int x + an^{-1}x^{2} dx$$
 $\int x + an^{-1}x^{2} dx$ $\int x + an^{-1}(x^{2}) dx$ $\int x + an^{-1}(x^{$

$$\begin{aligned}
 & \text{In} = (e^{x} + xe^{x}) | x, \quad \text{V} = (x+1)^{-2} d x \\
 & \text{In} = (e^{x} + xe^{x}) | x, \quad \text{V} = (x+1)^{-1} = -\frac{1}{(x+1)} \\
 & \text{Inspiration}, \quad \text{Inspiration}, \\
 & = -xe^{x} + \int e^{x} d x \\
 & = -xe^{x} + e^{x} + C
 \end{aligned}$$

Thus suggrencias:
$$& \text{In} = (x+1)^{2} d x \quad \text{In} = (x+1)^{2}$$

$$\begin{array}{lll}
\text{IPP} & \int (X-I) \sin \pi X \, dX & \int e^{-\theta} \cos 2\theta \, d\theta. \\
u = X-I & du = \sin \pi X \\
du = dx & V = \frac{1}{\pi} \cos \pi X \\
\int (X-I) \sin \pi X \, dX = -\frac{(X-I)}{\pi} \cos \pi X + \int \frac{1}{\pi} \cos \pi X \, dX \\
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