B) Harmi: (Sx 2px gx Jexannax = Sinx exax = | nar = N=SMX => du = JSMX = WSX dX AU= exdx = dex => U-ex = UN - Solu = sinx ex - Jex wsxdx = = exanx - / waxex dx = ex sinx - / udit = $u = \cos x =$ $du = d\cos x = -\sin x dx$ $du = e^{x} dx = de^{x} =$ $u = e^{x}$ $= e^{\chi} \sin \chi - \left(u \cdot x - \left(u \cdot y - \left(u \cdot y \right) \right) = e^{\chi} \sin \chi - \left(w \cdot x e^{\chi} - \left(e^{\chi} (-\sin \varphi_{\chi}) \right) \right) =$ $= e_X \sin x - \left(e_X \cos x - (-1)\right) \left(e_X \sin x \cot x\right) = e_X \sin x - \left(e_X \cos x\right) + \left(e_X \sin x \cot x\right) = e_X \sin x \cot x - \left(e_X \cos x\right) - \left(e_X \sin x \cot x\right) = e_X \sin x \cot x = e_X \sin x \cot x - \left(e_X \cos x\right) - \left(e_X \sin x \cot x\right) = e_X \sin x \cot x$ (SX SWAGK = GX (SINX-COSX) - FER SWAGK @> € 2 PEX SINY dX = EX (SINX -WEX) €> ∫ e^x sinx dx = e^x (sinx - 105x) =>

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Personne 2:

$$\begin{cases} e^{x} \sin_{x} dx = \int u du = e^{x} dx \\ du = \sin_{x} dx = -(-\sin_{x} dx) = -d\cos_{x} = d(-\cos_{x} x) = 0 \\ -e^{x} \cos_{x} dx = -(-\sin_{x} dx) = -e^{x} \cos_{x} + \int e^{x} \cos_{x} dx = -e^{x} \cos_{x}$$

(7)

Inform:
$$\begin{cases} S_{X}(2yx - \alpha 2x) + C \\ S_{X}(2yx - \alpha 2x) + C \\ S_{X}(2yx - \alpha 2x) + C \\ S_{X}(2yx - \alpha 2x) + S_{X}(2yx - \alpha 2x) + S_{X}(2yx - \alpha 2x) - S_{X}(2xy - \alpha 2x) - S_$$