France 8, Notwerle 08 utélépare4 Planty Heorg. NHET-1:  $\int (2x^2 - 2x - 1 + 8juX - cos X + lax + e^x) dx = 2x^3 - x^2 - x - cos X - co$  $-\sinh X + \ln X \cdot X - X + \ell^{\times} = \frac{2}{2} \frac{3}{2} - \chi^{2}$ -2x - cosx - Sinx+lux.x+ ex+ C, CER (2) (2x+6x22-5x2y-3ln2)dx=  $= \chi^2 + 32\chi^2 - \frac{5\chi^3}{3} - 3\ln(\chi) \cdot \chi + C,$   $= \chi^2 + 32\chi^2 - \frac{5\chi^3}{3} - 3\ln(\chi) \cdot \chi + C,$   $C \in \mathbb{R}$ (3)  $\int 3x^2 \sin(2x) dx = 3. \int \frac{t^2 \sin(t)}{8} dt$ =  $\frac{3}{8} \int t^2 \sin(t) dt = \frac{3}{8} \left( t^2 \cdot (-\cos t) - \frac{3}{8} \right)$  $-\cot 2t \cdot 2t \cdot dt = \frac{3}{8} \cdot (t^2 \cdot (-\cos t) - 1 \cdot (2)$ · cost . t. dt) = = (t. (-cost) + 2(t. sint) -(-cost)) = -3x2. cos2x + 3x. saw2x

= 2 \(\frac{1}{x} + \frac{1}{2} + \frac{1}{2 1601 V