1 $\int = 2 \cdot \left(\int (x - \frac{x}{2}) dx + \int (\frac{2}{x} - \frac{x}{2}) dx \right) =$ $= 2 \cdot \left(\frac{1}{2^2} + \frac{1}{4} + \frac{1$ = 2-1+4/n2-2-4/n5+1=9(/n2-/n02)=4/n= Order: 5= 4/1 = 5) 1=1 1=1-Sinp 5 = 2 DKPYXIWCA + 2 LACTU KAPGUOUGH 6 I UII TETBEPTU

2 1. 926 THET: J= 1 926 = 5/ -2 (3sint-(2sint) alt = -6 Ssin2t alt = -3 SG-cos2t) alt = [2t=27]= $= -3 \int (1-\cos \lambda)^{\frac{2\pi}{2}} = -1,5 \left(1-\sin \lambda \right)^{\frac{2\pi}{2}} = -\frac{3}{2} \left(2t - \sin \lambda \right)^{\frac{2\pi}{2}} = -\frac{3}{2} \left(2t - \sin \lambda \right)^{\frac{2\pi}{2}}$ = - 3 (411 - sin411) = - 3.411 = -617 ~ -18,85

ATOCT: S= -61/2 - 18.85 4. Bornans gunno gyn kpylons $= \int (x + y) dx = \left(\frac{x^2}{2} + \frac{\ln |x|}{4}\right) = \frac{3^2}{2} + \frac{\ln 3}{4} - \frac{1^2}{2} - \frac{\ln 3}{4} = \frac{1^2}{4}$ $= 4,5 + \frac{103}{9} - 0,5 = \frac{103 + 16}{9} \approx 9,27$ Orbet: C= 1/13+16 ~ 4,27 5. Hautu OS EIM TE19, non y CEHHORO Chayerlella Gregorial Hor Millian Bonwskur représ 4-X, X=0 (09)

