2211 Engeniemons ammergian 2216 Due SSIXIda = F18) - F1a, going (9,8) 22/2 на выпочниемые непрерывность 2237(6) 2242 2246 225/19,8) 2252  $\int_{0}^{2} |1-x| dx = \int_{0}^{2} (1-x) dx +$ 2258  $+\int_{1}^{2} (x-1) dx = \left(x-\frac{x^{2}}{2}\right) \int_{0}^{1} +$  $+\left(\frac{x^{2}}{2}-x\right)\Big|_{1}^{2}=\left(0+\frac{1}{2}\right)-\left(-\frac{1}{2}\right)-0\right)=1$  F(2)-F(0)N 2216

15 dx re rebueemere henneyworkers

-1 ka empegne (recordente wern.) henjegiochewa S dx land by x )dx makine are onje general agen x 0,

2 +0 d anc 6g \frac{1}{x} =

Mouno goonnegement gymeyeno - 5 dx = = - anc 6 x / = - TZ N2212 x2-2x cosa +7, 22-2 cosd . x + cosx -102d < R) (2-cosac)2 + sin2d = 51h2d 1 + /x - cosa 12 arc 6g (x-185 d. sind are by (-1-cosa are by 1- wisd

S(x) =  $S^{2}$ ,  $O \le x \le t$   $S = S^{2} + S^{2}$ ,  $CET_{3,65}$  S(x) =  $S^{2}$ ,  $O \le x \le t$   $S^{2}$   $S^{2}$ ,  $CET_{3,65}$   $S = S^{2} + S^{2}$ ,  $CET_{3,65}$  $= \frac{2^{2}}{2} \cdot \left( \frac{t}{2} + \frac{t}{2} \cdot \left( \frac{x^{2}}{2} + \frac{1}{2} \right) \right) = \frac{2^{2}}{2} \cdot \left( \frac{t}{2} + \frac{t}{2} + \frac{x^{2}}{2} + \frac{1}{2} \right)$  $\frac{t^2}{2} + \left(\frac{t}{1-t}\left(1-\frac{1}{2}\right) - \frac{t}{1-t}\left(t-\frac{t^2}{2}\right)\right)$ = t2 + t = - t + t2) = -· (t2-2+1)

L'S CELES 12242 e  $\int \ln x 1 dx = \int \ln x dx + \int \ln x dx = e$ (7-X/02x  $a = \ln x$  dv = dx  $\begin{cases} z - x \cdot (nx) & f \leq dx + f \end{cases}$ mx ox/e - Sdx = - = + 1 - = +e-4-2/ -e+1 2 2 d[ 5/E)]=5'(+). dt  $\int_{0}^{\infty} x^{2} \sqrt{a^{2}-x^{2}} dx = \int_{0}^{\infty} x = a \sin t$ dx = a cost at Va2-22 - a cost 120 - t =0 = 5 (a sint 12. (a cost). (a cost dt)= a".

(225) a) kem ognøjnamows jamens, Sdx) t=x==3x2 2=+ += N2252 3 2 3 1-27 an (2=51かも) かん 2=5/n E E-1,17 1224(t) E [a, 6]

PASTOMEHUE BO BLEX BUNETAX | 2 = SIN E | Monuso ny | 2 = 1 | No muso ny ) Monepo legemen - cos mos, corpaniemo Juane: 5 V1 - x2 dx 2 5 (- cost) cost dt S (cost) cost dt 12258 f/21) E CI-L, LJ nex gynnymi -> eau 5/x - rémane, mo 5 f(x) dx = 2 5 f(x) dx > eam S(x) - no Pyragen SIX) = SI-X) 5 s(x) dx = 0 recemmen \$(x) = - \$(-x)

DOK-601 -> Gue rémuca go. : S 5(x) dx 7 S 8(n) dx = S(-x) dx