Norman = x. navius + (sank) lu= - fin glu = nren(u) - con(u) + C, CEIR fivi= ~>f'[w] = u! = 1 glin = com sg(x) = sen(u)

J22 Cos(u) dx (1) J*(w) 9(x)= f(w) 9(x) - Sf(w) 9 in/a

J*(w) 9'(w) = 22 Seulus - Sex. Den 14) du $=n^2 \text{ Jen(n)} - \left(-2x \cdot \cos(n) - \int 2 \cdot \cos(n) \right)$ = n2 ren(n) - (-2 ncon(n) + 2 seu(u))+c,con = 22 Nen(u) +2x 601(u) - Q neur (u) +C, CEIR (aux. [1) fin = n2 -> fin = 2k gin = cosiu) -> gin = senini

 $\int_{C}^{-3k} (2x+3) dx = f'(n)$ $e^{-3l}(2u+3) - \frac{1}{3}e^{-3u} \cdot 254 - \frac{3}{2} =$

 $e^{-3n}(2n+3)+\frac{2}{3}e^{-3n}+C,CEIR$

f(u)= e= 21 -> f(u) - e= 21 g(n) = (24+3) -> g'(u) = (24+>) =

e) 1. mcu1 = (fingle)= fingen - Sting: Jain flus x. light - / gr. 2. lum / = xlin -2/2/11 - nlm2(u) -2(uluiu) - x) + c, ceux 4(n)= h²(n) → f(n) = 2. hu(n). = 2. hu(n)

Jahnluidu = x.lu(u) - Sx. 1 dr

= zlnx - xte, CBR,

fin = ha | W = 1/(w = 1 July 1 => Sin = 7

In (n2+1) du = (flo glas = flo gen - Sflo g inin = 21 lu (u2+1) = X 2m (u²+1) - (2² · 2u⁴) M(n) (2² · 2u⁴) - (2² · 2u²+1) - (2² · 2u² 911=x-1911=2 $= \lambda L^{1}(u) = \frac{2u^{2} + 1 - 4u^{2}}{(u^{2} + 1)^{2}} = \frac{2u^{2} + 1}{(u^{2} + 1)^{2}}$ $\int \frac{u^{2}}{2} \cdot \frac{2u^{2} + 1}{(u^{2} + 1)^{2}} du \cdot \left(\frac{2u^{4} + u^{2}}{2u^{4} + u^{2}}\right)$ glui-1->guin (202+1) = 24 = 24 fru = lu/211) ->f/w= n111

(\$100 910)= P(10) 900) - S\$100 9 inter xarctg (n) = Acabo 69 a Seguir $-\frac{1}{2} \int \frac{n^2}{N_{1-x^2}} - \frac{x^2}{2} \frac{2}{2} \int x^2 \cdot (1-x^2)^{\frac{1}{2}}$ f(N) - arc ty(w) -> f'(w)= 9'(1)=x > 9(1)=02