LIPYE - Su. DV=U.V-SV.DV 1-) [xex Dx = ex (x-1)+c] M = X - D D M = 1 DX DV = C DX - D V = ex x.ex = x.ex - Sex. lox + ex 11 = x.ex - ex + C = ex(x-1)+C// 2-) Sx2 Conx dx = (x2 Senx + 2x Conx - Senx + C) U= X2 -DD w= 2x 0x DV= Conx -DV= Senx DV= Senx-DV=-Con(x) X Conx = Y. Senx- Senx. 2xox frougy -> Du: 18x 1/ = X. Senx - 25x. Senx Dx - Toy = Senx - DV = toz 11 = X2. Senx-2 SX. (-Co2(H) - J-Coxx. 1 DX 17 = X2, Senx-25-Xloscop-5-Conx Dx 1/ = X2, Senx+2X Con(x) - Senx = X2. Senx+2xCosW-Senx+C

3-) Sx In (x) dx = x2 ln(x) - x2 M= ln(x) Du= LDX DV = X DV= X2 X $= x^2 \ln \omega - \int x^2 -$ = x2 lna2 - = lna

7- Determino or Seguinter Integris a) Px2 dx b) 74x3 DX c) 52x3 + x DX b) 73x2 - 5 x dx TXXdx f) & V(x+2) DX a) Px2 dx = x3 + C 2+1 (= x3+C b) rux3 dx = x4+C 1 3+1 - X + C e) S2x3 + x2 Dx = x1 + x3 + C 3+1 + 3 + C = 2x = x D) 53x2 -5x bx = x3 - 5x2 + C



