NHO a) n = 1 12.(x) €1-ln((e-1)=A Pn c(e-1) P(X = A) 1 Ho) = 2 X & A W = P(X SAIH) = 2 =1-W d 8) Li = Pi(xi) pi(xi)
po(xi) po(xi) Gun: X1+X2 < A

(x,+x2 SA140) = 2 XIXX = A dx dx2 = d X2 2 1 = d - A = V22 Gan: X1 + X2 = V2d P(x1+x2 = A /H1) = SS (e - x1)(e 1-x2) dxidx2 = (e-1)2 dx, fe xe xedx2 = e fe x (1-e x) dx = e (f e x dx, - fe dx) = e (e-1) [1-e^-e^-n] 6) acuum Kpum $e = \frac{L_1}{L_0} = \frac{17p_1(X_1)}{17p_0(X_1)} = \frac{17p_1(X_1)}{17p_0(X_1)} = \frac{17p_1(X_1)}{17p_0(X_1)}$ Po(xi) = PaC 4 11 = 27: - nun: no N(0,1) 7: = en e 1-x: lue-1-Xi Ho My = MIlae, -xi] = enel - 2 Dy: = DIlne-1-x11- Dx: = 12 P (lnl = ln(/Ho) = L æ~>N(0,1) $P(Z\eta; = lnc/H_0) = P(Z\eta; -nU\eta) + lnc - n(lne-12)/6)$ $\int_{A}^{C} \frac{e^{-\chi t}}{2\pi} dx = d \qquad A = U - d$ en e = en c Zji = n en e-1 - Zxi ln C - n (ln e - + 2) = u1-2 ln C = nen e + 2 + 12 + 12





