8/3 NT3 Chairanda movemen oughale Anoxum A.H. 1) If f(x) dx = 1 = Storydx + Storydx = 5 = dx = $= C - \frac{4}{3x^3} \Big|_{x=1}^{x=0} = \frac{C}{3x^3} \Big|_{x=1}^{x$ 2) P(1=n-E[=] >0,1) <0,01 Banumer nepalemento Cesamela P(18-E81>E) < PE ; E = 0,1 D&= E&2-(E&) $E_{\xi} = \int_{\infty}^{\infty} x f(x) dx = \int_{\infty}^{\infty} x \cdot \frac{3}{x^{2}} dx = \frac{3}{x^{2}(-2)} \Big|_{x}^{2} = \frac{3}{2}$ E {2 = \int x2 f(x) dx = \int x2 \frac{2}{x^2} dx = \frac{3}{12} \frac{1}{x} = 3 DE=3-=0,75 EE SI-E S DEN = DE = D(\(\frac{\xi_3 + \xi_2 + \xi_n}{\xi} \) = \(\frac{\xi_2 + \xi_2 \xi_n}{\xi_n} \) = \(\frac{\xi_2 + \xi_2 \xi_n \xi_n}{\xi_n} \) = n 0g = 0g

b(12,- E[1]/2017) < DE, - DE - 0'01 < 0'01 0,35 < N => N > 7500 EF = = (1+2+3+45+6) = 3,5 E & = = = (7 + + + + + 10 + 32 + 36) = = = = = $P(|\xi'-\frac{1}{2}|<\xi) \leq \frac{D\xi}{n\xi^2} = \frac{35}{12n\xi^2}$ 1/ Bern (ps) - grynna derana Fiz Benn(p2) - yrynna thomysola S1 = 35 1 5 = 3 512 S, - S, = \frac{\xi_{22} + \xi_{22} \\ \$12+822+-+822 - 82+825+-+822 FONES FONES

{11+ fut - fut - nE fu - In E fu - N(0, D fu) + E fu - N(0, D fu) 2) No: P1 = P2 T. K. Cloums hornson haman N2: p2 > P1 3mon rugamersh vyrolegite Z-mecm) Dua rysleym Mobers marmocus achorolus mangamus K=0,01 Mar No. 195-42 $\frac{2}{SE} = \frac{E(S_2 - S_3)}{SE} = \frac{O_1 \cdot 1}{\int_{0.13 \text{ O}_1}^{1.5 \text{ O}_2}} = \frac{O_2 \cdot 1}{\int_{0.13 \text{ O}_2}^{1.5 \text{ O}_3}} = \frac{O_3 \cdot 1}{\int_{0.13 \text{ O}_2}^{1.$ Para \$ 1 =0,01, Munurechal znavenue Ognocongraphero mecma Lygem Nahw 2,58 2=3,67>2,58; Manyonence, mo Mejadygka "nokagala godininal" papeurul no chalhenunce mayoo.