norm approx always is (Chap 8) Cont. Corr some as normapper exact value = () () () (1-7) h-K norm approx = Z of K-M ust take & tweeter Values Chap 91 Poisson rand var en (29) 2=nit o=JA from Char & for exact, and norm Paisson also useds end norm approx independence of randvar [Chap 10 | Var (X+y)= {E(x2) +2E(XY)+E(y3)} IFP((Eand F)=Pr(E)Pr(F) Grave Ho resect region (E'0)+DE(V)L(Y)+E'(Y) Iryla y inside = 1 USE It to answer 14, Sample of 100 38 say they are past data = 3000 sigt of \$00 X C TO STORE [Chap 12] Go X.9 = 625.16 630> 630 Z 185+ X=630, 5=0=80 7.95-612 Kere arrange +offint & so reject +o. M= 612, N=100, C-5070 Ho= M=612 Ha: M>612 a-sided rest [n: 25 taken o = 2 M=40 9590 intorval)

n=121 K=64 K=64(121)=77 Ho= 17=15 Ha= 17 X.5 (77) 62.7 M=NT=61.5 OSINTI(1-T)=5.5 Sorearrage for Kaps SO TT - 15/2 7 .25 -> K1975 -615 = +7 1975 = 1,96-> K175 -615 - 98 Lexan questions least IT = 1- 911 heads (6) P(4) = = all heads = (3) = 8 , the same = (3) (3) = 3, a H'S = (3) (1) Q3) 600 rolls of a die 100, give or +a14e a.13 MINTI = 600(1)=100 0 (3) * nginis of x children () (5)"(5) x-1 0 = Im(1-11) = 200 9,13 Q4) 3500 inc call 25 calls (25) (.75) (.75) 25-7 Q6) Type 1 is if die is fain, Type a is die is loaded exam 3 Q1) 5 + 1 dt = 5 (16+2) dt = (2+2t) 1 = (x + 2x) - (1-2) = x 3+2x+1 an) Pr(-15x51) = Pr(x51) - Pr(x51) - F(1) - F(-1) = 1-5e-1-8(1-41) = 2, -2e 23) T= 109 M= 17 = 10 0 = 1707 (1-17) = VAS Pr (8 16 (76 12) = pr (95 4511) = Pr (8.5 5 × 11.5) = Pr (85-10 5 25 11.5-10) Q4) M1=100 0 = 15 80th Iq+85+ Y.4-100 = 2.8-8416-3×.8=1126=113 as) chelps of 215 > 1-1-16= .84 Q6) 4 break, 2 months 2=3.2=6 so = e-(50+61+52+63+64) = .2551 (8) exp with mean lo min Pr (86 to 12) = Pr (+512) - Pr (+58) f(b)= { to p = 1 + 20 = F(12)-F(8) = e-8-e-1.2=,1481

get from antiderv 6,5 two singitat smallong smilour out it (X) t to 7 X > 7 EX (0) + 0 X X (0) 7 7 my +5: 8 was E-- 1 = NO4569047 W-X = 2005 2 OF FCX F(X) { bloss ocxc 100 100 100 100 100 1000 1000 36+ From dony Fut value given inplace of X: Sound to fire prof, is of the funce Jung 1887 ht Shap & MIND SWADS TO FILE OFF 230 60000 31 POWAR 129: HAXS DOMONIE OH Wipton by Si tour K-11+K-13, Kould Signification of A-NE-1) (In () (11-1) IIM - 40V (HI) HULL Y JON POOD IN PRODUCE osh rodhin TI I (X) I I M DUCK 5 duys 1:27/compons - (e) fr(1) f((P) # 5 - 5 C = (20) (cs) (- 1) = - (1)11(1)1/1 (5)X31 (801) (KS) E =(0)1 / 10/50 LOXSEICH NOTE = E(X)-E(X) Jahany 305176 (x) 50 Ung 555 but 9211 LANTINGS OF JOHN = (10+0+1641,4+)1 = Pon+dus Sohog (FULL TENENT (EUF), (FILT), (ENF) = (EUF) = (E)U(F) non - Int - Pr(EAF) = Pr(E). Pr(FIE) Pr(FIE) Pr(EAF) 5004+ 12 PROPERTY - BU(EIF) - PN(EIF) PN(EIF) PN(EIF) ひん(日)コル(日)コル(日) つり UNCE) = 1 - 6 K(E) ENTER COLORETT 1(x-x) 1 - (x) : 40500+3 x +04 = 1 +040= V 10= 1) 1 - 16++ c - 16 - 1-1 W Attitions of probability Venn diagram (Chapler 3) 001 | 13 bi 25 (WId)d on 721 hay 18/2 = (1174) d noy = (+)d example: 1 - Sanien Jo 12 Standaged All. - War JUN - JOJA7 HOLS Narional Lumber (unius - man) TON Jams : Urali wash xour Expant will told Xng of 3 = max-risk of = 1 miles - miles Johnson - prings range = max - min Idl = done 18 H Para / 17 William & Francis H 10/1097 bompator to silve p Dibbin - bom Y HIMPON TO FILL EP 2111 MYS AS TODI/Wate (SUL) E+ (1.5) E+ (10.5) [+(1.0) E+(1)) = pose quore; glapiax) = Savion a - 2 MA SASHINA JOH Isanian to was 1 SOULAND TO E average = 5156,000 JOIND