Sar Alego formed ! 12-8-22 Stat 115a D-NCM,05028D 228-M 1.10~W104,52) W + W DP(6=105)? > 1/2-M-105-NA) -10/2=0.2) brookelith at a fred point is !! 80 P(02/05)=0] b)P(02/05)? > P/22/05-104) >P(Z20.2) P(210.2)=0.57B = Bon z-Jable P(xx2105)20.5743 OP(X < 105)? in in 山水 POSDS) & the same of POSDS) ha P(XX105) = 0.57931 A X B, 2, x~N(0.3,0.062) 的文  $\sigma = 0.06$ a)  $\rho(0) > 0.25$ ?  $\Rightarrow \rho(2) = 0.25 - 0.3$   $\Rightarrow \rho(2) = 0.83$ P(ZZ-063)2 \* Soon 2-466 (P(DZ0.25) \times 0.7967 Z=-063 z0.2033 Soo (P(DZ0.25) \times 0.7967 1-0.2033 z 0.7067 (2017)

Stat 18a b) How would you started to largest 8% of sell X values? Above 95 th go contito, 60 225-M 3 1.45 2 20-03 026-1.645 2 60,3 00.06 = 0.0487 = 6.03 TOE 1290 5% of all 10 00 above 3. D~N(13, 1,252) P(10-15/ 63)? 3 P(-3 5 x-15 63) = P(-3+18 2 N = 3+15) = P(12 \leq \times \leq 18) 213 (12-15 & D-M 5 18-15) 2P(-2.4 5 2 5 2.4) = P(D=2.4)-P(Z=-2,4) = 0.4918-0.0082

Sartago

Bornso2

SanAlego Lown 12-8-22 67 at 1160 4.0-N(6.8, 2.82) 43 Whise c sud, Dat intend whiles 480/ of all values? 90% would be 1 283! C=ZAU=22,33 +2,8=6.524 Les volus. 1.5 15 0.0668,60 Wat green -0.0668 = 0.937 = what grow we take ide? P(3.12/523.3P, X~N(3,2),0=2 prom(3,5,3,2)-prom(3,1,3,2) 334 75