Honewid 3 1. a)  $P(44y) = \begin{cases} 3 & 2(6-y) df = 26y - y^2 \\ 63 & 63 \end{cases}$ which is dependent a 6. B) P(UZu = P(1/6 Zu) = P(1/2 fu) = (ou 2(0-t) 2+. = dn - nd which is not of 6 c) P(U2n=0.90=) dn-n=0.90 => U=1-1=10-1 0.683772 The A(V/L) = 6.90 => P(Y/6 L) = 0.90 => P(Y/6 L) = 0.90 C. I 15. 6 > 1/0.68372

$$0. \quad \hat{\rho} = 171 \quad , \quad N = 880 \quad is a large sample.$$

$$0.5 \quad C.I \Rightarrow 70.0 = 1.64K$$

Using 
$$\hat{q}=1-\hat{p}=708$$

$$\frac{1}{880} + (1.647) \left(\frac{171}{880} + \frac{704}{880}\right)$$

$$\frac{1}{880} + (1.647) \left(\frac{1}{8} + \frac{1}{8} + \frac{1}{8$$

$$a) L_{g} = L_{g}$$
  $\Rightarrow L_{g} = 1191 = 3.5$ 

4. 0= Pm9m + Pu9w = 14 14 = 1 a) For do, E=1 = 0.316. h) For C. I 90%, 0=0.10 and 20.0=1.640. 2000 = 0.00 =) J= (0.00 d)

=> Pm(1-h) + Pw(1-pu) = (0.00 d)

Note that => n= Pm(1-pm) +pw(+pm) ( 0.08 /d N = 1 . (1. CHT ) n = 3383

5. 
$$\bar{X} = 8$$
,  $S = 13$ ,  $S \approx 3.60$   
 $N = 7 \implies df = C$  an  $f - dirth$   
A) For  $982$  C.I,  $f_{0.01}(L) = 3.143$   
 $\bar{X} = \frac{1}{2} + \frac{1}{2$