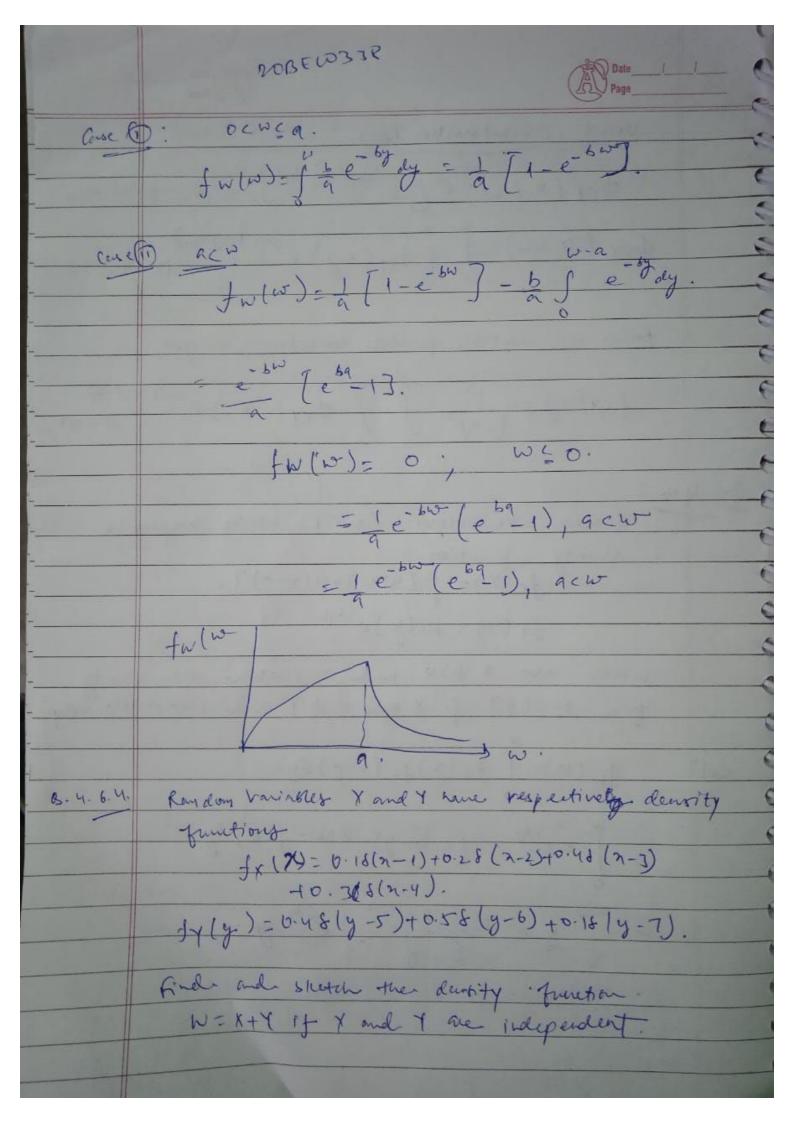
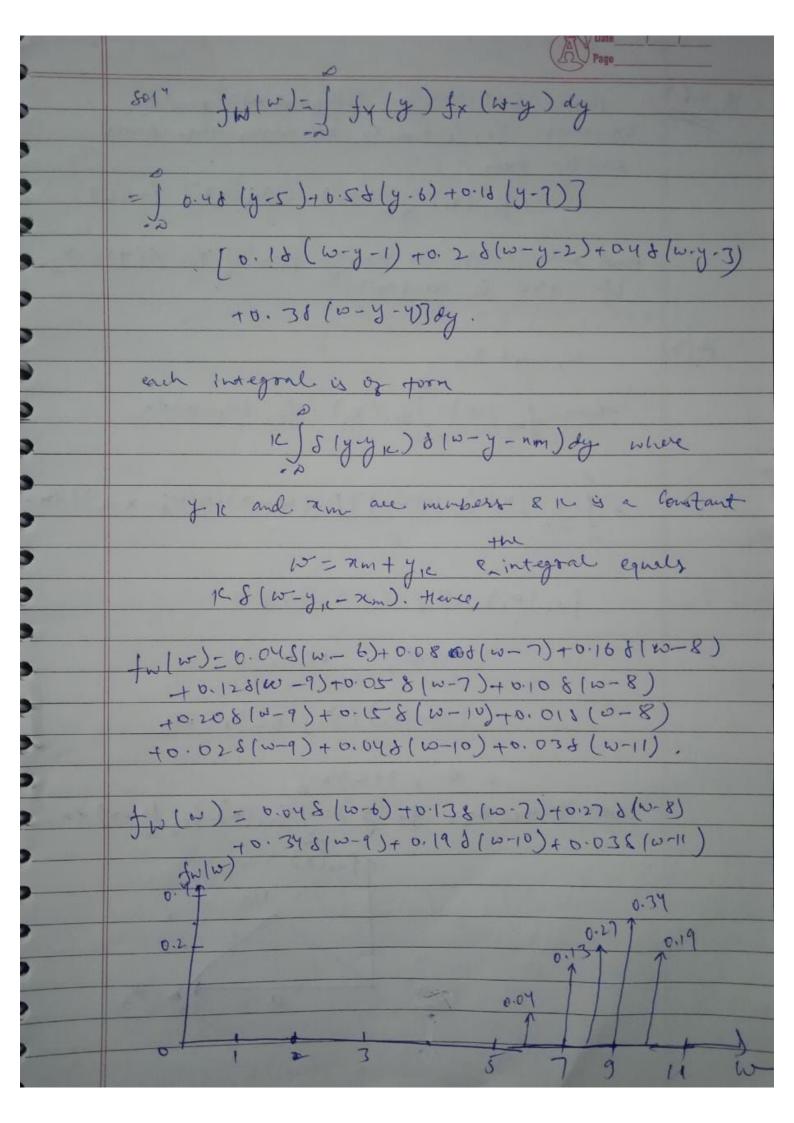
- Random Variables X and I have respective dennity function

fx(X)= [ [u(n)-u(n-1)]. 17 (4) = buly )e-by. from W= x+9 if x and and I once statistically indep Jw (00)= fy (y) fx (w-y) dy. - | be by | [n(w-y)-4(w-y-a]ly 





20BEE-0338 B.4.1. Three statistically independent roudon variables X1, X2 and X3 all have the power delity from fx; (ai)= [ [4(xi) - 4(xi-9)] i=1,43. find and sector the dunity from of Y= xi+x2+x3 Wx = X1 + X2. Then for (w)= Itx (x). fxx (w,-x)dx = [ [ [n(n)-u(n-q)][u(w,-n)-u(w,-x-a)]dn fu, (m)=0, w, 50 = wi/a2, ocw, <q. = (20- W,) (a2, GC 10, C29, = 0 , 200 WE'D (et Y=W,+X3, fy (y)= fw,(x) fx3 (y-x) dx Afwi(x)

