



d. Fnd EIXI = fx f(x) = (= x3dx 3×4 | = 3 = 0 e. Find Var (X) and ox Var () = E(3) - E|X|2 (x2) = (x2f(x)0x (3× - 3× 1 = 3 + 3 = 6 = 3 Var(x) = = = - 02 = 3 D = \(\frac{137}{137}\) f. Fol Pe CDF FOX) 53 x2 dx = x3 3. Suppose X is a radon variable with poly flx) = {2-x if 1 \in x \in z} a. Frd 8(14×43) cdf: (2 0 c x 21 2x-2 1= x 22 b. Find P(x>=5)

x2/2=2-8=16=3



