Part 2:

F(Y) = P(Y = Y)

but we are looking for the union, which means we need the P that it is that it is that I have albertieve

= 1-P(Y=Y) (ast LONG) = 1-P(A=Y&B=Y&C=Y)

z 1 - P(A=4), P(BZ4), P(CZ4) (independent)

= 1-F(A) \* F(B), F(C)

= 1- (= 50)3

F(Y)= 1- e = 0 (CDF of Y)

Pdf = dx (CDF)

f(1) = 3 = 80

(follows an exponential curve)