LAB H By Musa Rusheed

25618232

1. A~ Ex(==) B~ Exp(==) C~ Exp(==)

Y = max(A, B, C)

first, the CDF

 $F(y) = P(Y \leq Y)$

= P(A = Y & B = Y & C =

(independent) = P(AGY). P(BGY). P(

= (1-e-1/80), (1-e-1/80), (

= (1- E-4/80)3

CDF -> F(Y) = 3e40 - 3e 0 - e80 +

PDF = dx CDF