The same of the sa	A STATE OF THE STA
HOSTIG ALSM2 EXAM NOTES: EXPUNENTIAL DISTRIBUTION	
time between every in a poison grad Time until false Times y are non-negative y eir. Some Subjects may survive begand the Rudy and their failure is not observed - in this rook dide is "tombred"	
P(1910) = Nets UERT OERTS Distributor:	
Always posine (+)(+) Integral 6 1? $6^{\infty} \lambda e^{-\lambda y}$ $= \lambda - e^{-\lambda y}$	
$= \int_{-e^{Ay}} \int_{0}^{\infty} \left[(0 - (-1)) \right]$ $= 0 + 1 = 1$ Expectation?	
E[x] = $\int_{-\infty}^{\infty} y \operatorname{Aexp} \left(-\lambda y \right) dy$ the probability of paid $\int_{-\infty}^{\infty} (0-c) + \int_{-\infty}^{\infty} \exp\left(-\lambda x \right) dx$ (integrably by paid) $= (0-c) + \int_{-\infty}^{\infty} \exp\left(-\lambda x \right) dx$ $= (0+c) + \left(c + \frac{1}{2} \right)$	
= 1/A	
(ohe that maximus) d p(y)(x) - (1 + exp(-hy)) = exp(-hy) + \(\lambda\) (-y exp(-hy)) ale) \(\lambda\) (\(\lambda\)) = exp(-hy) - hy exp(-hy) exp(-hy) \(\Lambda\) (-y) = 0 \(\lambda\) = \(\lambda\)	
Member of experiment family? exp [leg (A e 1)] exp [leg (A e 1)]	

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Genery Forther	
Summer Function Robublity of Fabre Plostsy) = 104 plutolide = 1,4 nexp(-hy) dy	ALSM 2
- fl + expl-lyl]"	Show it is
$= 1 - \exp(-\lambda y) = F(y)$	y postro
S(y) = -S(y) = -(1-exp(-Ay))	
= exp(-Ay)	Probabil
At 05 same probability of fullule as sured	Probable
- Wen Fly = Sty) = or culled the median point of snow	U.
	- Hoso
Hazard Fordun	Carried Street
- Propol hly) = P(yst = y+by) chance of fulle between they yardyst	P W
P(45t) (has Juryma hand has held (1)	
hgl = anu /finen = 1 = 1 = 1	
- there of sample dreing in a post minute, given a survival rate and given a	
BOY TAY TAPO CHATION	
- Hered function is a anstruct with respect to time - maninged payors	
who yi a sentral, use s(yi) instant of pot (p gildil)	
5 120 tf 8/18/11	
& on Indicator works, o if yi is some I if it is in	
h(g) = 11/21 P(4)61) 61 g(4)1-51	
account - 64 [a. 10 16] to water	7
approved = The E-Bexpl-GyD 6: [NO-19] 1-F	
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