Hasan Behrad poor Year. 2.27: a) At = (1. calls) (1. minute)=) = 99197 At 2 (1- calls). & minutes = 80 $Pr(M < 3) = \frac{2}{5} \frac{60 \, \text{k}}{60 \, \text{k}} = \frac{-60}{e} \left(14604 \frac{3600}{2}\right)$ = 1861.e = 1,627x10 wp to ea 2,30 in Page 30 Px(K) = Pr(A) = (") pk (1-p) n-k k = 0,92,92 2 = if more than 2 error in 7-bit data block, decoder error: thas the deader Probability Re = \frac{4}{5} (\frac{7}{1}) (\cdot 1.03) (1-0/03) = 0/017) -> similarly >t=2-1Pe= = (i) (-103) (1-103) c) similarly + +=3 + Pe = 2 (i) (103) (1-0/03) 0/0133 KHATEREH

Nonth Date. Year. Month Date. S-2.37 John do it Ith farture if necessary Since this is a poly the following integral lead to 2: following who fen for date 1 - a ban
S-2.37 John do it ith farture if necessary S. Homeworky 3.3: a) Since this is a poly the following integral lead to 2: $\int f(n) dx = 1$ up to $f(n)$ $\int f(n) dx = 1 \rightarrow -a$
S. Homewor/24 3.3. Since this is a polf the following integral lead to $g: \int_{-\infty}^{\infty} f(n) dx = 1$ up to $f(n) dx = 1 \rightarrow -a \rightarrow $
S. Homeworkell 3.3. Since this is a polf the following integral lead to $g: \int_{-\infty}^{\infty} f(n) dx = 1$ up to fan $\int_{-\infty}^{\infty} f(n) dx = 1 \rightarrow -a - \int_{-\infty}^{\infty} f(n) dx = 1$ $\int_{-\infty}^{\infty} f(n) dx = 1 \rightarrow -a - \int_{-\infty}^{\infty} f(n) dx = 1$ $\int_{-\infty}^{\infty} f(n) dx = 1 \rightarrow -a - \int_{-\infty}^{\infty} f(n) dx = 1$ Here is two case arise as and and case
Since this is a poly the following integral lead to $g: \int_{-\infty}^{\infty} f(n) dx = 1$ up to ben $f(n) dx = 1 \rightarrow -\alpha \qquad \circ = 1$ $f(n) dx $
integral lead to $g: \int_{-\infty}^{\infty} f(n) dx = 1$ up to $f(n) dx = 1 \rightarrow -a - 1 = 1$ $f(n) dx = 1 \rightarrow -a - 1$
integral lead to $g: \int_{-\infty}^{\infty} f(n) dx = 1$ up to $f(n) dx = 1 \rightarrow -a - 1^{\circ} = 1$ $f(n) dx = 1 \rightarrow -a - 1$ $f(n) dx $
$f(n) d n = 1 \rightarrow -a \qquad \circ = 1$ $b n(a) - po$ $b n(a) \qquad n \rightarrow po \qquad b n(a)$ Here is 1 mo case arise a>1 and case
$f(n) d n = 1 \rightarrow -a \qquad \circ = 1$ $b n(a) - po$ $b n(a) \qquad n \rightarrow po \qquad b n(a)$ Here is 1 mo case arise a>1 and case
$\frac{b \ln(a) 1-po}{b \ln(a)}$ $\frac{b \ln(a) 1-po}{b \ln(a)}$ Here is two case arise a>1 and case
$\frac{b \ln(a) 1-po}{b \ln(a)}$ $\frac{b \ln(a) 1-po}{b \ln(a)}$ Here is two case arise a>1 and case
Here is two case arise as and .cac
Hore is two case arise as and .cac
· the case az is not possible
THE WEE AZ 13
because then fa) can be come
negative -> fcn) is pdf so it is
0000100 7 1017 10 10 11 15
impossible - first ansider ase a
this lead to finite value it
anly If bla.
J
second case: act the limit will
be finite only if byo
KHATER

Year. Month. Date. Hason Behraufson Subject:
In both cases the limits to o
ard above eq. reduces to ===================================
=) $f(n) = a^{-b\alpha} = (e^{-b})^{b\alpha} + (m)^{2}e^{-b\alpha}$
b) the CDf is given by
$\#(m) = \int_{-\infty}^{\infty} f(m) dn = \int_{-\infty}^{\infty} e^{m} dn$
$= 7 + (m) = \begin{cases} e^{nt} & n \leq 0 \\ 2 & 0 \leq n \end{cases}$
S Homework 5
$P_{r}(s-10 > 1.75) = 2 (9.925)$ $9.9 = 2 f(3.925)$
$=2\int_{9.925}^{9.925} \cos(5-9.9)ds-2 _{0.000}^{0.125}$
=\0.26)2=0/0625
KHATEREI

Year. Month. Date. Wasan Behraul Poor Subject:
Home work 6:
het Pr(M=0) = Po and Pr(M=1) = Pr
$f_{X M=s}(M) = \frac{1}{1-2} exp(-\frac{2r}{2R})$
$f_{x x}(x) = \frac{1}{\sqrt{2\pi}6^2} \exp\left(-\frac{(x-1)^{x}}{2a^2}\right)$
$= \frac{1}{\sqrt{2\pi}6^2} \frac{\exp\left(-\frac{1}{\sqrt{2\pi}6^2}\right) + \exp\left(-\frac{1}{\sqrt{2\pi}6^2}\right)}{\sqrt{2\pi}6^2} = \frac{\exp\left(-\frac{1}{\sqrt{2\pi}6^2}\right)}{\sqrt{2\pi}6^2}$
Pr(M20/X=n) = £X/M=0(m)
D ~ (- m')
= Vo exp (- 765)
Po exp (- m') + P, exp (- (n-1))
$= \frac{1}{\sqrt{4}} \frac{PI}{Po} \exp\left(-\frac{(\chi - 1)^{2}}{26^{4}} + \frac{\chi^{4}}{26^{4}}\right)$
=
$\frac{1+\frac{P_1}{P_0}\exp\left(\frac{N}{\sigma^T}-\frac{1}{2\delta^T}\right)}{\frac{1}{2\delta^T}}$
We have to Plot this
function for the following
combinations KHATEREH

