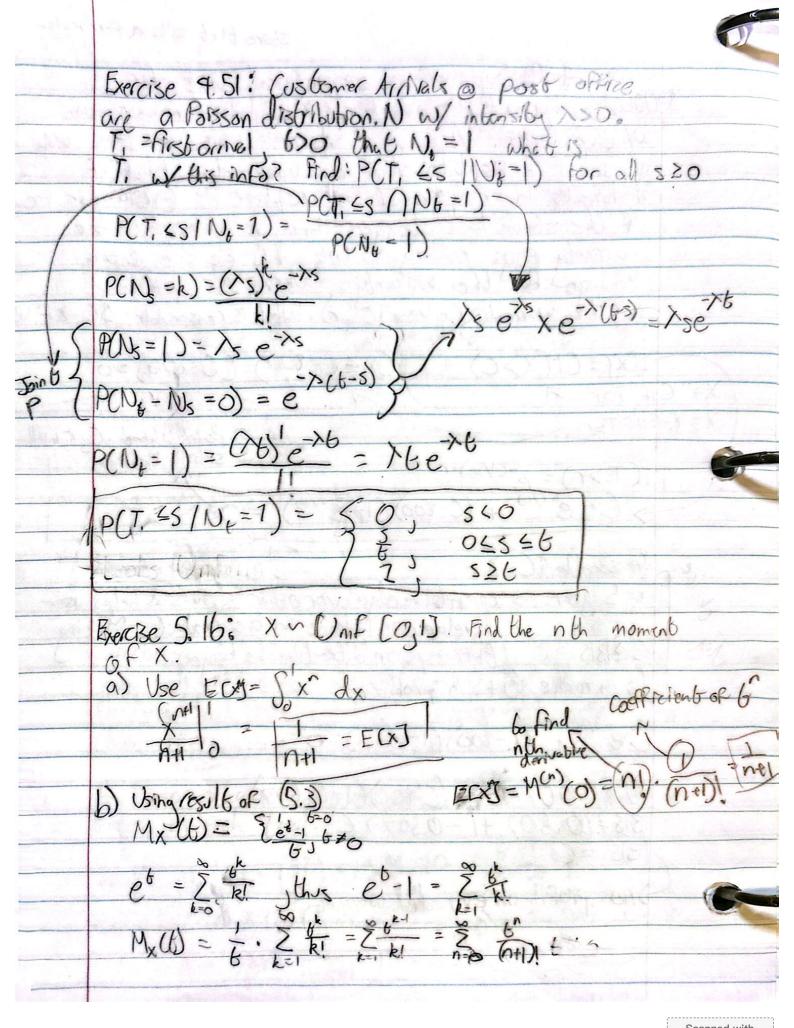


Exercise 9.99: Suppose you own a years. If I went Ishan warranty, where for the warranty (given SC, r). What is reasonable IC &r. Wh. P(X < 2-800) (C-800) 20 ECX7 = CP(X>C) + CIF TONA X= 8-801F TKM Pairs where Grail sotisfy this egn + (C-800) (1-P re 5 years - competitive edge overather stoves & helps user develop can fidence in the product. 6his option attractive to buyers. > 6 make \$0+ in profit 0=0.607.0 + (6-800)(1-0.607) 315=(0.607+1-0.607) (one profit on extended worrant





-	Borcke 5.18: Let Xv Geom (p)
	Exercise 5.18: Let XV Geom (p) à) Compute moment generating function Mx(6) of X
	$M_{X}(b) = E[e^{GX}] = \tilde{\Sigma}e^{Gh}p(x=h)$
	$\frac{\sum_{k=1}^{\infty} e^{kk} (1-p)^{k-1}}{\sum_{k=1}^{\infty} e^{k} \sum_{k=1}^{\infty} (e^{k} (1-p))^{k-1}} = pe^{k} \sum_{n=0}^{\infty} (e^{k} (1-p))^{n}$
	M // = 006 N=K-1
	1 (v(P)) = FC
	$\frac{1-e^{t}(1-p)}{ \mathcal{M}_{x}(t) ^{2}} = \frac{ Pe^{t} }{ 1-e^{t}(1-p) } + ch(\frac{1}{1-p})$
	elt. Lf = (n(1-p) (xw) (1-ev-1) elsc
	b) E[x] = Mx'(0)
1.1	M (I) PP
	Mx(b) = ret Quotient Rile
	M'x(b) = Peb (1-(1-p)eb) - peb (-(1-p)eb)
	$(1-(-P)e^{b})^{2}$
	= DP.
_	$(1-(1-p)e^{b})^{2} \notin (2x^{2}) = M'_{x}(0)$
_	$M_{\star}(Q) = P = \begin{bmatrix} L - E(X) \end{bmatrix} $
	$\frac{1}{\sqrt{2}} = \frac{1}{\sqrt{2}} = 1$
	$M_{x}(0) = P = \begin{bmatrix} 1 - E(x) \\ P \end{bmatrix} Pe^{t}$ $(1 - (1 - P)e^{t})^{2} = M_{x}(t)$ $M_{x}'(t) = Pe^{t}(1 - (1 - P)e^{t})^{2}$ $M_{x}''(t) = Pe^{t}(1 - (1 - P)e^{t})^{2}$
	$M''(t) = \frac{e^{t}(t-e^{t})}{e^{t}(t-e^{t})}$
	(a(x) - E(x) - E(x))
	$\frac{1}{2-\rho} = \frac{1}{(1-(1-\rho)e^{\epsilon})^3}$
	Var(x)= \frac{1}{p^2} \frac{1}
	Var(X) = 1-P
4	ρ^2 $= 2-P$
	Pt