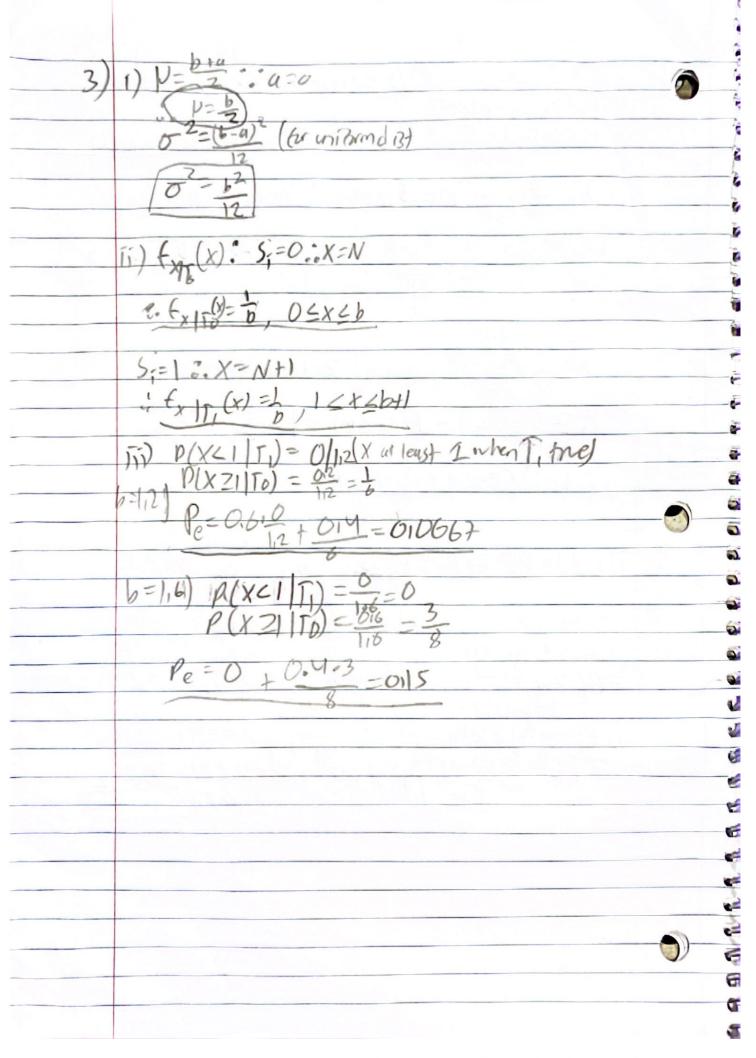
$\lambda = \frac{30}{\text{hr}} = 0.0083/5 = 0.5/\text{min} / X = \frac{1}{\text{nl}} = \frac{1}{\text{nl$ (i) $\lambda = \frac{30}{50} \cdot \frac{1}{10} \cdot 10 = 5 / 10 mm 1 Y = dut, in 10 minutes$ P(YCS)= 5/e-5 = e-5/5° 5' 55' 55' 55' 71 (ii) N=30 100 10/20 min 1 2= dist in 20 mins P(2710)=1-P(2410)=1-5 10e-10 =1-0,58304 =0,41696 i) P(A) = P(X287) = P(Z287-8) 7-8-= P(271,095)=0.1368 (ung 2-puble) $= \rho(20^{\frac{15-61}{25-61}}) - \rho(24-1,045) = 0.1368$ $\rho(3) = 1 - 0.1368 - 0.1368 = 0.7265$ (i) $\rho(x \ge 87) \times 263 = \rho(22\frac{67-81}{25}) \times 2\frac{87-81}{\sqrt{20}}$ $= \rho(22\frac{67-81}{25}) / \rho(22\frac{25}{25}) = 0.13667 = 0.382$



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X~G(N=2,02=4). QUX)=P(272/271)~6(0,1) =Lottos

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