p~ p(x) = {0, x40 a) $F(x) = P(x | x | x) = \int_{a}^{\infty} p(x) dx = \int_{a}^{\infty} e^{-x} dx, x \geq 0$ F(x) = \(\frac{-e}{0} + \frac{1}{2} \), \(\times 0 \)
\(\times 0 \)
\(\times 0 \) $X = \begin{cases} -\ln(1 - F(x)), F(x) \neq 0 \\ 0, F(x) \neq 0 \end{cases}$ x = - +/h(1-F(x) e Y 2 Mg 2 13 = ME(4-1/4) - MS (x 21) 1 p(x) dx $\mu_2 = \frac{1}{\lambda} \frac{2}{2} (x_1 - x_2)$ d) Pn= 12,9; P(y) = P(n = y) = P(12 &; 2y) = P(2 &; -Man = (12 (y-Ma)) = 8 Tallo,1) = 1 P(y) = S = 1 = 2 dx



