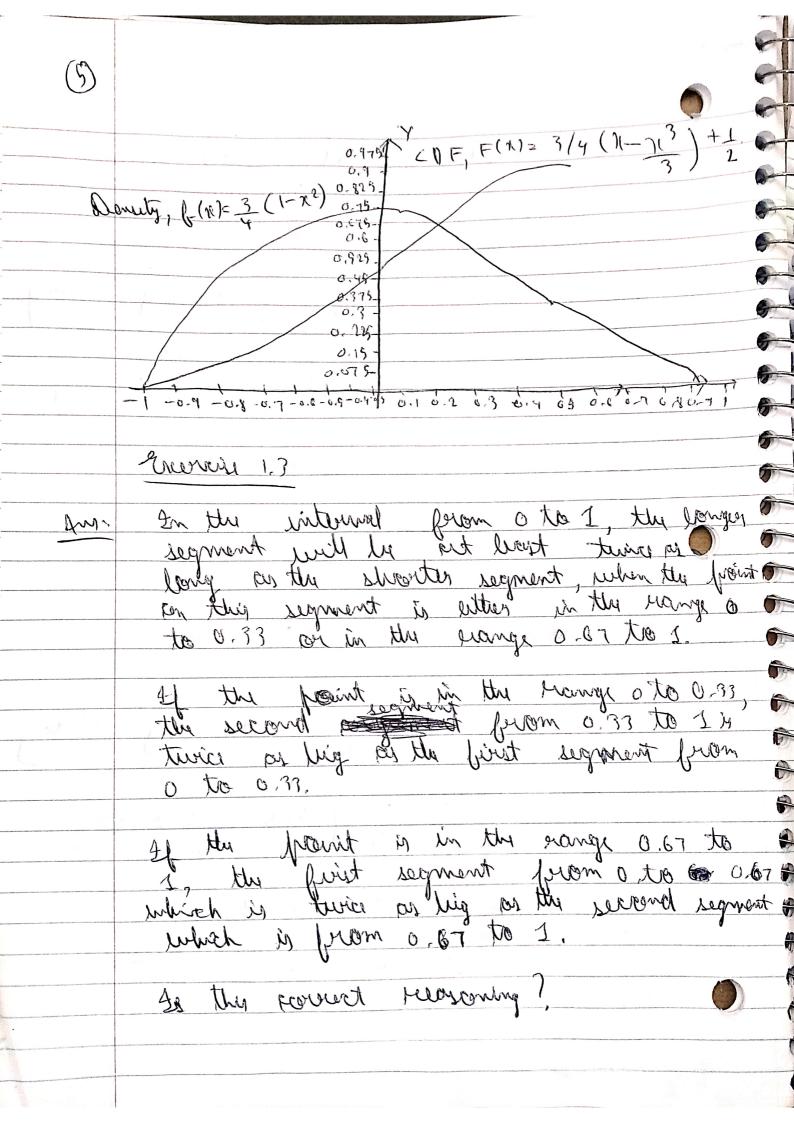


$$\begin{cases} (x > 0.5) = 1 - e(x \le 0.5) \\ = 1 - \frac{3}{4} \int_{0.5}^{5} (1 - x^{2}) dx \\ = 1 - \frac{3}{4} \int_{0.5}^{5} (1 - x^{2}) dx \\ = 1 - \frac{3}{4} \int_{0.5}^{5} (1 - x^{2}) dx \\ = 1 - \frac{3}{4} \int_{0.5}^{5} (1 - x^{2}) dx \\ = 0.15(25) \end{cases}$$

$$= 0.15(25)$$

$$\begin{cases} (3 < x < 0.5) = \frac{3}{4} \int_{0.5}^{5} (1 - x^{2}) dx \\ = \frac{3}{4} \int_{0.5}^{5} (1 - x^{2}) dx$$

$$= \frac{3}$$



6 See see see see se Exercise 2.1 Here, parameter \$ = ln(2) = 0.693 Ans = 0,231 P(x79) = e-xx (61) e-0.23129 2 0,126 P(X714/X78) = e-6,231×19 (b) 0 = 0,25 Grencia 2.2 x = exp.(x)Then, preductility density function reft is :-Mx (11) = \ 2e - x 20; x>0. $V(X > \frac{2}{\lambda}) = \begin{pmatrix} \lambda e^{-\lambda x} = \lambda \end{pmatrix}$

