$$F(x) = \begin{cases} 0 & 8h^{2} x \le 0 \\ \frac{1}{2} - h & con 2 & 8h^{2} = 0 < x < \pi \\ 1 & 8h^{2} = x = 7/\pi \end{cases}$$

as Two la poll.

Do X là DINH lên the

Thain phân phân xs cuá x là hain lun ru

Xũ X E (0, T) tổ:

 $\begin{cases}
\lim_{x\to c} F(x) & 2 & \lim_{x\to c^+} F(x) \\
\lim_{x\to \pi^-} F(x) & 2 & \lim_{x\to \pi^+} F(x)
\end{cases}$

G' { $lan(0) = lan(\frac{1}{2} - k con x)$ } $\frac{1}{2} - k = 0$ $k \ge 1$ $lan(\frac{1}{2} - k con x) \ge lan(x)$ } $\frac{1}{2} + k = 1$

b) Tim hair max do. $J(x) = F(x) = \begin{cases} (0)^{l} & \text{Ali } x \le 0, \\ \frac{1}{2} - \frac{1}{2} \cos x, \end{cases} \quad \text{Ali } 0 < x < \pi$ $(1)^{l} & \text{Bhi} & x \in \pi$ $= \begin{cases} 0 & \text{Ali } x = 0, \\ \frac{1}{2} & \text{min } x & \text{Bhi} & 0 < \pi < \pi \end{cases} \quad (A)$ $= \begin{cases} 0 & \text{Bhi} & x \in \pi \\ \frac{1}{2} & \text{min } x & \text{Bhi} & 0 < \pi < \pi \end{cases} \quad (A)$

0) $P(0 \in X \in \frac{\pi}{2})$ $\frac{\pi}{2}$ $\frac{\pi}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$