4.2. Thornood before the couff(x), $P(x) = \begin{cases} 0 & \text{infin} & x < \infty \\ -\cos(x) & \text{infin} & x < \frac{3}{2}x = \end{cases}$ $= \begin{cases} 0 & \text{ufm} & x < \infty \\ - & \text{Sin}(x) & \text{ufm} & \infty < x < \frac{3}{2} \\ 0 & \text{ufm} & x > \frac{3}{2} \\ 0 & \text$

44 Ronodance he we the (0 < x < h) + P[h] - F[a] = Sintx) - $-\frac{\int \sin h(x)}{\sqrt{1 + \frac{\sin h(x)}{\sqrt{1 + \frac{\cos h(x)}$ $\frac{\sqrt{2}}{2} = \frac{\sqrt{2}}{2} = \frac{\sqrt{707}}{2}$ 45 Mas O Hudance Ma = 0 HH Date of XP(x)dx $M(x) = Xip_i \int XP(x)dx$ Sight of the following form of $d(x) = \int_{X}^{2\pi} -\infty$ $D(x) = \int_{0}^{\infty} x^{2} (-\cos(x)) dx - (u(x))^{2} = 8,76 - (2,48)^{2} = 8,76 - 6,15 = 2,61$

 $F(x) = \begin{cases} 0, & x \le 1 \\ 0, & x \le 1 \end{cases}$ $\begin{cases} 1, & x > 2 \end{cases}$ Apolsepun vouca pappala "ua F(1) = 1 - 1 = 0 | $\sqrt{2} \cdot \sqrt{2} \cdot$ eny your hois V. e. Bacupe de reme en 4. Remynus ne upe par blo. $f(x) = F(x) = \begin{cases} 0, & x \le 1 \\ 1 & 1 \le x \le 2 \end{cases}$ (MICHAGE Repositions) $\begin{cases} 0, & x \le 1 \\ 1, & 1 \le x \le 2 \\ 0, & x > 2 \end{cases}$