$$f(x) = \begin{cases} \kappa x^{\frac{1}{2}} & \text{or } x - \mathbf{Z} & \text{h } \in \mathbb{R} \\ 0 & \text{ethore} \end{cases}$$

$$k = \int_{-\infty}^{+\infty} F(x) dx = 1$$

$$\int_{0}^{2} \kappa x^{-\frac{1}{2}} dx$$

$$- K \int_{0}^{\infty} \frac{-\frac{1}{2}}{x^{2}} dx$$

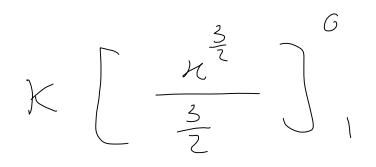
$$\frac{1}{2} = \frac{1}{2}$$

(2) FUNCHONE of Distribuzione

$$= \kappa \int_{0}^{\kappa} x^{-\frac{1}{2}} dx$$

$$F_{2}(x) = \begin{cases} 0 & x < 0 \\ x & 0 < x \leq I \end{cases}$$

MediA



$$\mathcal{X} = \frac{3}{2} d\mathcal{X}$$

$$\frac{1}{2} \left[\frac{2 \times \sqrt{5}}{5} \right]$$

$$\frac{1}{2} \left[\frac{2}{5} \right]^{2} \left[$$

$$=\frac{1}{\chi}\cdot\frac{\chi}{S}$$

HARIAUZA

1 . (

$$V_{AR}(x) = \frac{1}{S} - \left(\frac{1}{3}\right)^{2}$$

$$= \frac{1}{S} - \frac{1}{9}$$

$$F_{Y} = P(Y \leq y)$$

$$E_{y} = P(x^{\frac{1}{2}} = y) = P(x = y^{2}) = (y^{2})^{\frac{1}{2}} = (y^{2})^{\frac{1}{2}}$$

$$F_{g}(Y) = \begin{cases} y = 0 \\ y = 0 \end{cases}$$

$$f(y) = \frac{d}{d} + y$$

$$= \frac{d}{d} + y$$

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