$$f(x) = \begin{cases} \kappa_x^3 & \text{or } x < 5 & \text{ne } |x| \\ 0 & \text{othere} \end{cases}$$

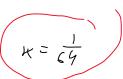
$$K = \int_{-\infty}^{+\infty} F(x) dx = 1$$

$$\int_{0}^{\infty} kx^{3} dx$$

$$\int_{0}^{\infty} kx^{3} dx$$

$$\int_{0}^{\infty} x^{3} dx$$

$$K\left[\frac{25\zeta}{9}-0\right]$$



2 FUNZHONE di DISTRIBUZION

$$F = \begin{cases} x & 0 \\ x & 0 \end{cases} dx$$

$$= \begin{cases} x & 0 \\ x & 0 \end{cases} dx$$

$$= \begin{cases} x & 0 \\ x & 0 \end{cases} dx$$

$$= \begin{cases} x & 0 \\ x & 0 \end{cases} dx$$

$$= \begin{cases} x & 0 \\ x & 0 \end{cases} dx$$

$$= \frac{1}{69} \left[ \frac{\kappa^{\frac{9}{9}} - c}{9} - c \right]$$

$$= \frac{1}{69} \cdot \frac{\kappa^{\frac{9}{9}}}{9}$$

$$= \frac{\kappa^{\frac{9}{9}}}{256}$$

$$F_{2}(x) = \begin{cases} 0 & x < 0 \\ \frac{x^{9}}{256} & 0 < x < 9 \\ 1 & 2 > 9 \end{cases}$$

Media

Esercizi Blocco 2[2]

$$= \left( \frac{1}{2} \left( \frac{3}{2} \right)^{3} \right)^{2}$$

$$= \kappa \left[ \frac{\chi^{5}}{5} \right]_{6}^{4}$$

$$= K \left[ \frac{1029}{5} - 0 \right]$$

$$=\frac{1}{C4}\cdot\frac{1024}{S}$$

$$= 1 \cdot \frac{16}{5}$$

$$\begin{cases}
F(x) = \int_{-\infty}^{+\infty} F(x) \cdot x^{2} dx
\end{cases}$$

$$= \begin{cases}
K \times x^{3} \cdot x^{2} dx
\end{cases}$$

$$= K \begin{cases}
X \cdot x^{6} \end{bmatrix}_{0}^{7}$$

$$= K \begin{cases}
X \cdot x^{6} \end{bmatrix}_{0}^{7}$$

$$= \frac{1}{69} \left[ \frac{4096}{6} - 0 \right]$$

$$= \frac{1}{69} \left[ \frac{4096}{6} - 0 \right]$$

$$= \frac{69}{6}$$

$$= \frac{32}{3}$$

HARIAU ZA

$$V_{AR}(x) = \frac{32}{3} - \left(\frac{16}{5}\right)^{2}$$

$$= \frac{32}{3} - \frac{256}{25}$$

$$= \frac{800 - 768}{75}$$

$$= \frac{32}{75}$$

$$F = P(Y \leq y)$$

$$E_{y} = P(x^{2} = y) = P(x = y^{\frac{1}{2}}) = \frac{y^{\frac{1}{2}}}{2S6} = \frac{y^{\frac{1}{2}}}{2S6}$$

$$F_{g}(y) = \frac{y^{2}}{256} = \frac{3}{256} = \frac{3}{3} = \frac{3}{16}$$

tupzione Di Deny'TA

$$f_{(y)} = \frac{d}{d(y)}$$

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

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

$$= \frac{24}{256}$$

$$= \frac{24}{256}$$

$$= \frac{24}{128}$$