$$f(x) = \begin{cases} \kappa x^3 & -2\kappa \times 0 & \kappa \in \mathbb{R} \\ 0 & \text{there} \end{cases}$$

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

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

$$k \int_{-L}^{3} dx$$

$$k \left[\frac{x^{\frac{4}{5}}}{5} \right]_{0}^{-2}$$

$$k \left[\begin{array}{c} x^{\frac{4}{7}} - \frac{x^{\frac{4}{7}}}{4} \end{array} \right]$$

(2) FUNHANE OF DISTRIBUZIONE

$$Fx = \int_{-2}^{x} K x^{3} dx$$

$$Fx = \int_{-2}^{x} K x^{3} dx$$

$$Fx = \int_{-2}^{2} \frac{x}{4} + \int_{-2}^{2} \frac{x^{4}}{4} - \frac{x^{5}}{4} = \int_{-2}^{2} \frac{x^{4}}{4} - \frac{x^{5}}{4} = \int_{-2}^{2} \frac{x^{4}}{4} - \int_{-2}^$$

$$F_{2}(x) = \begin{cases} 0 & 2 < -2 \\ \frac{16-x}{16} & -2 < 2 < 0 \end{cases}$$

E-mini Phono 2/2

MeniA

$$= \left(\begin{array}{c} +\infty \\ \\ -\infty \end{array} \right)$$

$$= \left(\begin{array}{c} +\infty \\ \\ -\infty \end{array} \right)$$

$$= \left(\begin{array}{c} +\infty \\ \\ -\infty \end{array} \right)$$

$$\mathcal{L}$$
 \mathcal{L}
 \mathcal{L}
 \mathcal{L}
 \mathcal{L}
 \mathcal{L}

$$K$$
 \mathcal{X} \mathcal{A} \mathcal{X}

$$-\frac{1}{4}\left[\begin{array}{c} 3\\ 2\\ 5 \end{array}\right] - \frac{2}{5}$$

$$-\frac{1}{5} \left(\begin{array}{c} -\frac{3}{5} \\ \end{array} \right)$$

$$-\frac{1}{5}$$

$$-\frac{32}{20}$$

$$= \left(\frac{3}{20}\right)$$

$$= \left(\frac{3}{20}\right)$$

$$= \begin{array}{c} 0 \\ 5 \\ \times \\ -2 \end{array}$$

$$= \frac{1}{6}$$

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

$$\frac{1}{5} - \frac{1}{6} \cdot \left(\frac{64}{6} \right)$$

HARIAN ZA

$$V_{AR}(x) = \left(-\frac{8}{S}\right)$$

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

$$F_{y} = P(x^{2} \leq y) = P(x \leq y^{\frac{1}{2}}) = \frac{16 - (y^{\frac{1}{2}})^{\frac{1}{2}}}{16}$$

$$F_{y}(y) = \frac{16 - 9^{2}}{16}$$

$$y = -0$$

tunzione D: Densita

Pry) {
altour

Eromini Phono 2021