es 49
$$y = \frac{2-x}{x^2}$$

Doffing
 $x \neq 0$
 $D = R - \{0\}$

SIMPETRIA

 $\{(-x)^{\frac{1}{2}} = \frac{2-(x)}{(-x)^3} = \frac{2+x}{-x^2}$ NO

INTERSEZIONE CON GLI ASSI

 $\begin{cases} y = \frac{2-x}{x^3} & \frac{2-x}{x^2} = 0 \\ y = 0 & 2-x = 0 \end{cases}$
 $= x = -2$
 $= x = 2$

SEGNO

 $= \frac{2-x}{x^3} > 0$
 $= x > 0 = x > 2 = x > 0$
 $= x = -2 = x = 2$
 $= x = 2$
 $= x = 2$

SEGNO

 $= \frac{2-x}{x^3} > 0$
 $= x > 0 = x >$

ASINTOTO VERTICALE

$$\lim_{x\to 0} \frac{2-x}{x^3} = \frac{2}{0} = +\infty$$
 $\lim_{x\to 0} \frac{2-x}{x^3} = \frac{2+}{0} = -\infty$
 $\lim_{x\to 0} \frac{2-x}{x^3} = \frac{2+}{0} = -\infty$

ASINTOTO ORIZZONTALE

 $\lim_{x\to +\infty} \frac{2-x}{x^3} = \frac{2-\infty}{+\infty} = \frac{-\infty}{+\infty}$
 $\lim_{x\to +\infty} \frac{2-x}{x^3} = \frac{2+\infty}{+\infty} = \frac{-\infty}{+\infty}$
 $\lim_{x\to +\infty} \frac{2-x}{x^3} = \frac{-\infty}{+\infty} = \frac{-\infty}{+\infty}$
 $\lim_{x\to +\infty} \frac$

DERIVATA
$$T^{p}$$

$$\begin{cases}
\frac{1}{1}(x) = \frac{2x-6}{x^{4}} \\
\frac{8}{1}(x) = \frac{2(x^{4}) - (2x-6)4x^{3}}{x^{3}} = \frac{2x^{4} - 8x^{4} + 24x^{3}}{x^{3}} + \frac{x^{3}(2x - 8x + 24)}{x^{3}} = \frac{-6x + 24}{x^{3}} \\
\frac{2 - 6x + 24}{x^{5}} \\
N : -6x + 24 > 0 = > -6x > -24 = > x < 4 \\
D : x^{5} > 0$$

$$\begin{cases}
y = \frac{2 - x}{x^{3}} & y = \frac{-2}{64} = -\frac{1}{32} \\
x = 4 \\
0 & + \frac{1}{1} - \frac{1}{1} - \frac{1}{32}
\end{cases}$$

$$\begin{cases}
y = \frac{2 - x}{x^{3}} & y = \frac{-2}{64} = -\frac{1}{32} \\
x = 4 \\
0 & + \frac{1}{1} - \frac{1}{32}
\end{cases}$$

$$GRAFICO$$

$$\begin{cases}
x = \frac{1}{32} & x = \frac{1}{32} \\
x = \frac{1}{32} & x = \frac{1}{32} \\
x = \frac{1}{32} & x = \frac{1}{32} \\
x = \frac{1}{32} & x = \frac{1}{32}
\end{cases}$$