282
$$y = \frac{x^2 - 5x + 4}{x^2 - 3x}$$
 [$x < 0 \lor 1 < x < 3 \lor x > 4$]

$$y = \frac{(x-4)(x-1)}{x(x-3)}$$

$$D = \{x \in \mathbb{R} \mid x \neq 0, x \neq 3\}$$

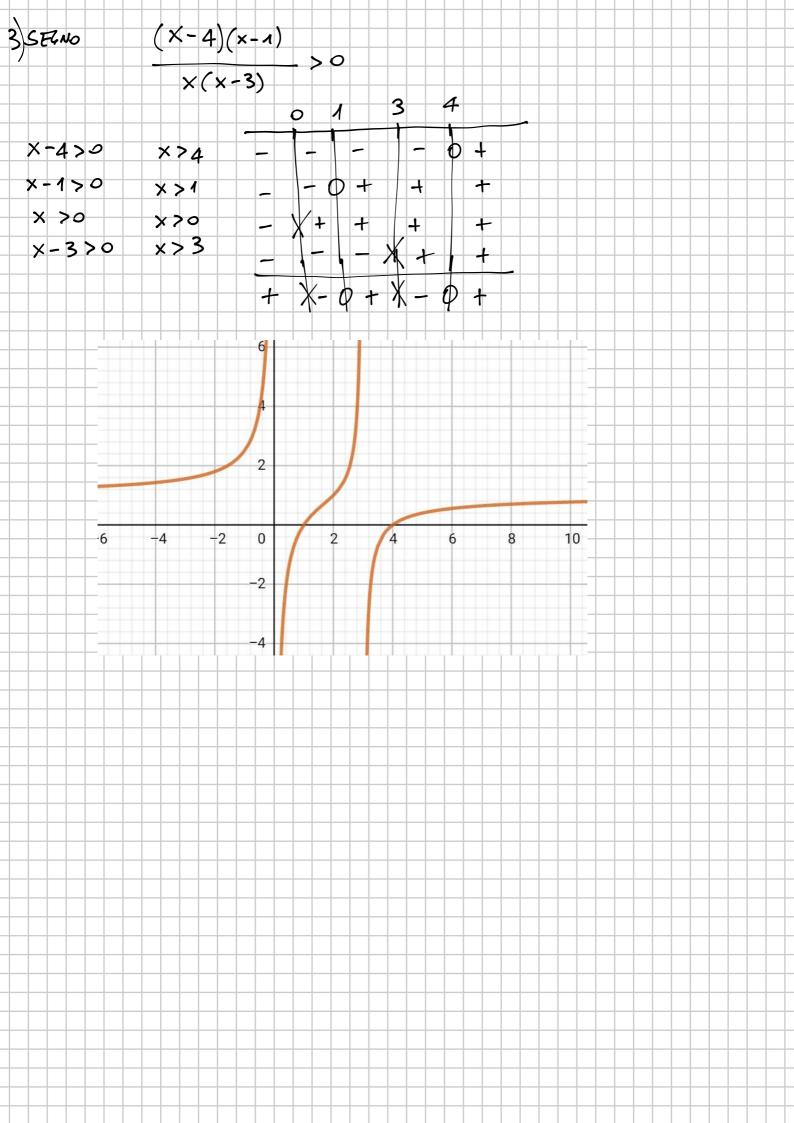
$$= (-\infty, 0) \cup (0, 3) \cup (3, +\infty)$$

ASSE X

2h) INT. ASSE y

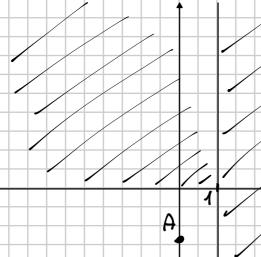
$$\begin{cases} x=0 \\ y=\frac{(x-4)(x-1)}{x(x-3)} \end{cases}$$

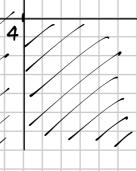
$$\begin{cases} y=0 \\ x=0 \end{cases} \text{ NEL DOMINIO}$$



$$y = \ln \frac{x-1}{x-4}$$

1) DOMINIO
$$\frac{x-1}{x-4} > 0$$





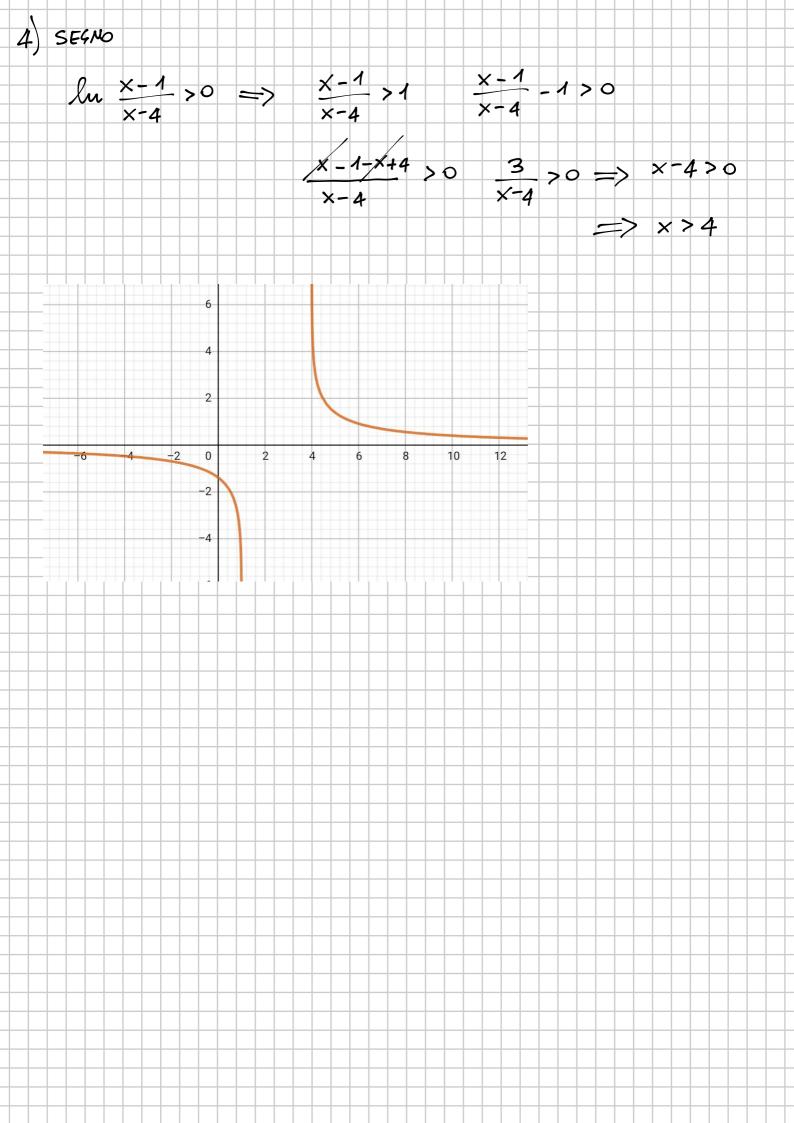
$$\lim_{x \to 4} \frac{x-1}{x-4} = 0 \implies \frac{x-1}{x-4} = 1 \qquad x-1 = x-4 \quad | \text{MBSS}.$$

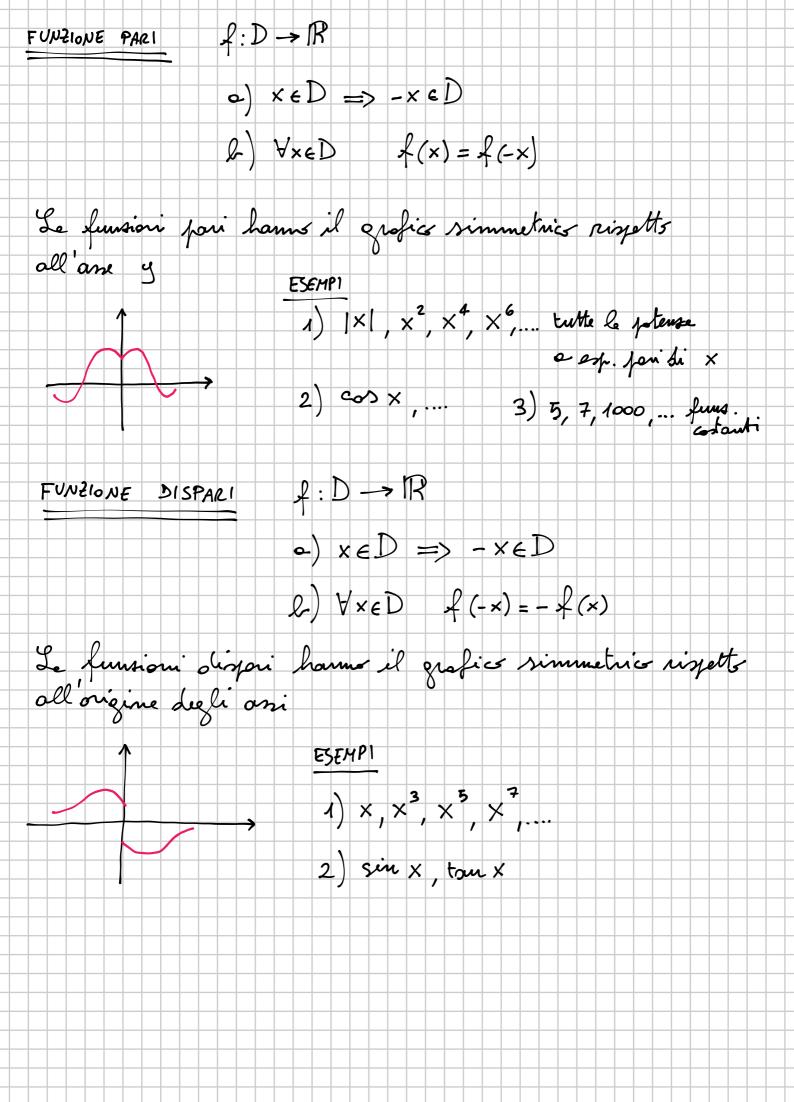
$$\frac{x-1}{x-4}=1$$

mag 12 nav

INT. CON ASSE X

$$\begin{cases} x = 0 \\ y = \ln \frac{x - 1}{x - 4} \end{cases} = \begin{cases} x = 0 \\ y = \ln \frac{1}{4} = -1, 4 \end{cases} A \begin{pmatrix} 0, \ln \frac{1}{4} \end{pmatrix}$$





$$407 \quad y = x\sqrt{x^2 - 1}$$

Verificare se sons pari o dispri

408
$$y = \ln|x| + 1$$

$$407 \quad \cancel{x}(x) = x \sqrt{x^2 - 1}$$

$$\times^2 - 1 \geqslant 0 \Rightarrow \times 5 - 1 \lor \times 3 \land$$

$$D = (-\infty, -1] \cup [1, +\infty)$$

DOMINIO SIMMERIG RISP. A O

$$f(-x) = -x \sqrt{(-x)^2 - 1} =$$

$$= - \times \sqrt{x^2 - 1}$$

$$f(x)$$

$$= - \times \sqrt{x^2 - 1} = - f(x) \implies FUNZIONE DISPARI$$

DOMINIO SIMMERICO RIST. A O

