

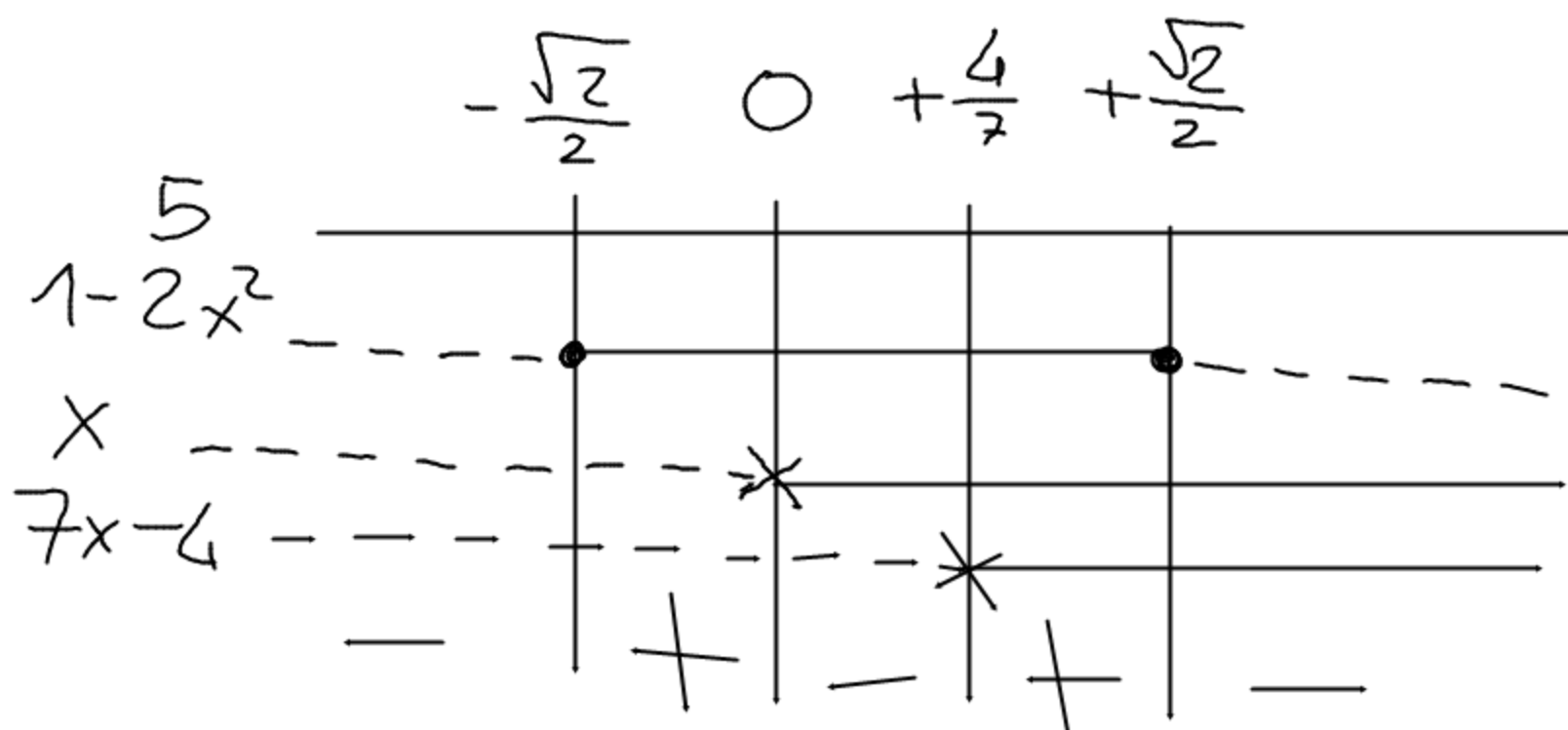
$$y = \frac{5-10x^2}{7x^2-4x}$$

$$D = \left\{ \forall x \in \mathbb{R} : x \neq 0 \wedge x \neq \frac{4}{7} \right\}$$

$$y = \frac{5(1-2x^2)}{x(7x-4)}$$

$$]-\infty; 0[\cup]0; \frac{4}{7}[\cup]\frac{4}{7}; +\infty[$$

$$\begin{aligned} 1-2x^2 &= 0 \\ -2x^2 &= -1 \\ x^2 &= \frac{1}{2} \Rightarrow x_{1,2} = \pm\sqrt{\frac{1}{2}} \\ x_{1,2} &= \pm\frac{1}{\sqrt{2}} \Rightarrow x_{1,2} = \frac{\sqrt{2}}{2} \end{aligned}$$



AS. VERT. $x=0$ $x=\frac{4}{7}$

AS. ORIZ. $y=-\frac{10}{7}$

INTER ASSI

$$\begin{cases} y=0 \\ y = \frac{5-10x^2}{7x^2-4x} \end{cases} \Rightarrow \begin{cases} y=0 \\ \frac{5-10x^2}{7x^2-4x} = 0 \Rightarrow 5-10x^2=0 \Rightarrow x_{1,2} = \pm\frac{\sqrt{2}}{2} \end{cases}$$

$$\left(-\frac{\sqrt{2}}{2}; 0\right) \quad \left(\frac{\sqrt{2}}{2}; 0\right)$$

NON CI SONO INTERSEZIONI CON L'ASSE DELLE "Y" IN QUANTO LA FUNZIONE NON ESISTE PER $x=0$

INTER CON AS. OR.

$$\begin{cases} y = -\frac{10}{7} \\ y = \frac{5-10x^2}{7x^2-4x} \end{cases} \Rightarrow \begin{cases} -\frac{10}{7} = \frac{5-10x^2}{7x^2-4x} \\ -70x^2+40x = 35-70x^2 \end{cases} \Rightarrow x = \frac{35}{40} = \frac{7}{8}$$

$$\left(\frac{7}{8}; -\frac{10}{7}\right)$$

