$y=-x^2+\frac{1}{4}x$

intersezione asse y: $(0,0)$

intersezione asse x: $0;0)(\frac{1}{4};0)$

asse di simmetria: $x=\frac{1}{8}$

$$x=\frac{-b}{2a}$$

$$x=\frac{-\frac{1}{4}}{-2}=-\frac{1}{4}\left(-\frac{1}{2}\right)=\frac{1}{8}$$

$$0=x^2+\frac{1}{4}x$$

$$0=x\left(-x+\frac{1}{4}\right)$$

$x=0$

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

$$V=\begin{cases} y=-x^2+\frac{1}{4}x \\ x=\frac{1}{8} \end{cases}$$

$$V=\begin{cases} y=-\left(\frac{1}{8}\right)^2+\frac{1}{4}\left(\frac{1}{8}\right) \\ \text{idem} \end{cases} \begin{cases} y=-\frac{1}{64}+\frac{1}{32} \\ x=\frac{1}{8} \end{cases} \begin{cases} y=\frac{-1+2}{64}=\frac{1}{64} \\ x=\frac{1}{8} \end{cases}$$

$V=\left(\frac{1}{8};\frac{1}{64}\right)$

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