$$S \Rightarrow Cxencice \quad n^{\circ} d$$

We sure en degrés \quad 180 \quad \text{60} \quad \frac{135}{30} \quad 30 \quad 210 \quad 840 \quad \frac{18}{3} \quad \frac{10}{10} \quad \frac{150}{3} \quad \frac{17}{3} \quad \frac{77}{3} \quad \frac{47}{3} \quad \frac{77}{10} \quad \frac{47}{3} \quad \frac{77}{10} \quad \frac{77}{3} \quad \frac{18}{3} \quad \frac{10}{3} \quad \frac{18}{3} \quad \frac{1}{3} \quad \quad \frac{1}{3} \quad \quad \frac{1}{3} \quad \quad

Donc s'est est paire, Es cot donc symetrique par report à l'asse des ordonnees

70

 $7\pi$ 

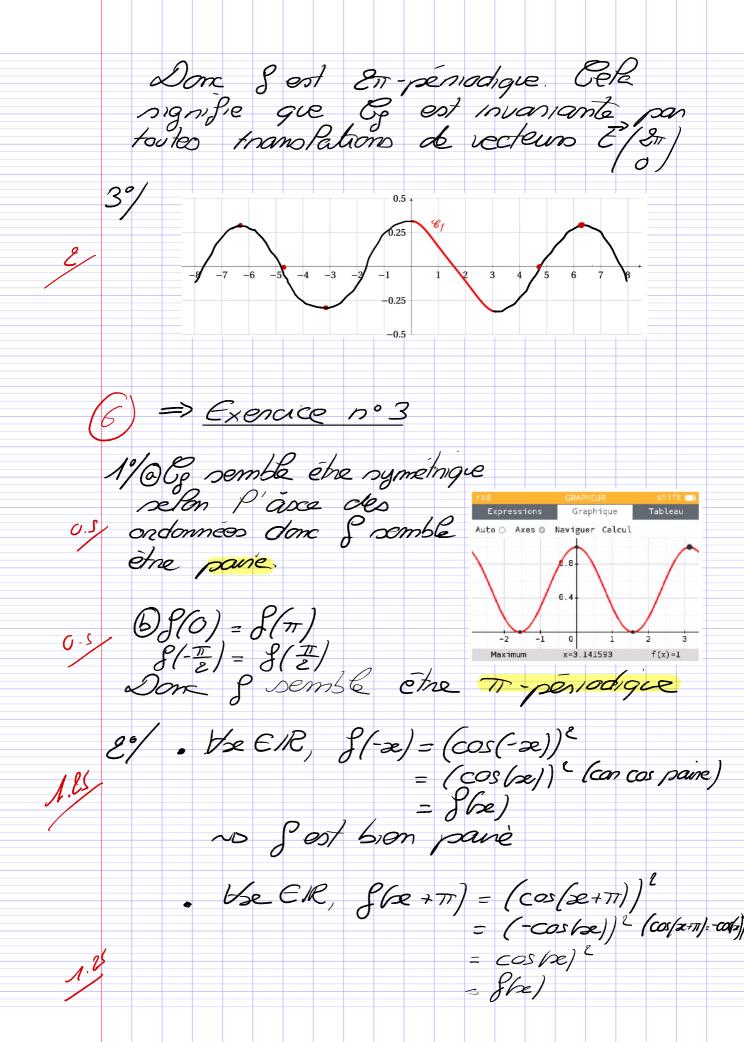
2º/ Sort & EIR

$$S(x + 2\pi) = \frac{\cos(x + 2\pi)}{3 + (\sin(x + 2\pi))}$$

$$= \frac{\cos(x + 2\pi)}{3 + (\sin(x + 2\pi))}$$

$$= \frac{\cos(x + 2\pi)}{3 + \sin(x + 2\pi)}$$

$$= \frac{\cos(x + 2\pi)}{3 + \sin(x + 2\pi)}$$



no fost ben Ti-posiodique 3º/ S/xe/ = cos c/be/ = cos/xe/ x cos/xe) 2.5 Ve(R, 8/be/= 0/be) v/be) + 0/be) v/be/ and =-pin/be/cos/be) - pin/be/cos/be/ =- 8 pin/be/cos/be) Upe/=cospe) U/20/2-SINOS) Vb21= cospe) V/pe/= -pin/se/ => Exercice nos  $\frac{cs}{s} = \frac{3\pi}{s} = -\frac{1-\sqrt{s}}{s}$  $0.5(5) \sin(\frac{8\pi}{5}) = -\sin(\frac{8\pi}{5}) = -\frac{\sqrt{10+2\sqrt{5}}}{5}$  $\cos\left(\frac{8\pi}{5}\right) = \cos\left(\frac{2\pi}{5}\right) = \frac{\sqrt{5}-1}{5}$  $c.s(d) sin(\frac{2\pi}{5}) = -sin(\frac{2\pi}{5}) = -\frac{\sqrt{10+2\sqrt{5}}}{5}$  $\frac{0.5}{5}$  @  $\cos(\frac{15\pi}{10}) = \cos(\frac{7\pi}{5}) = -\cos(\frac{5\pi}{5}) = \frac{1-\sqrt{5}}{5}$ 0.5 ( ) nn ( 511 ) = pin ( 51) = 510 + evs