a)
$$F(x) = \int_0^x (1 + sen(sen t)) dt$$

•
$$F'(x) = 1 + sen(sen(x)) \ge 0$$

• Por tanto:
$$F'(z)>0$$
 $\forall z \in \mathbb{R} \Rightarrow F$ es monitorna crecien te

· Presto ge F(0)=0 => F-1(0)=0. Par tambo:

$$(F^{-1})'(0) = \frac{1}{F'(0)} = \frac{1}{1 + sen(sen(0))} = 1$$

b)
$$G(2) = \int_{\Lambda}^{\infty} sen(sen t) dt$$
; $x \in \mathbb{R}$.

$$G(x) = \int_{1}^{\infty} sen(sent) dt =$$

$$= \int_{1}^{0} sen(sent) dt + \int_{0}^{\infty} sen(sent) dt$$

$$= constante Go H(se)$$

$$H(-\infty) = \int_{0}^{-\infty} sen(sent)dt$$

$$du=-t$$
 $du=-dt$
 $=\int_0^\infty sen(sen u) du = H(x)$
Función PAR.

$$G(x) = G_0 + H(x) \Rightarrow G(-x) = G_0 + H(-x) =$$

$$= G_0 + H(x) = G(x)$$

$$= G_0 + H(x) = G(x)$$
Function PAR

