1. f(x) = x2 | función de pruebo f'(x) = -f (x+2h) +4-1(x+h)>Hx 1:W - (x+5/) + + (x+1/-3x) -11 (x +5h)(x+5h)+4x3+4+8+4-3/3 2 # XX =1.m $V \gg 0$ 1im 2x = h+0

$$f'(x) = Sin(x) = 23a + 4animin processe$$

$$f'(x) = -f(x+2h) + f(x+h) + 3f(x)$$

$$\lim_{h \to 0} -Sin(x+2h) + f(x+h) + f(x+h) + 3f(x+h) + 3f(x+$$

$$= -\cos(x + 2h) + 2\cos(x+h)$$

$$= -\cos(x) + 2\cos(x)$$

$$= -\cos(x) + 2\cos(x)$$

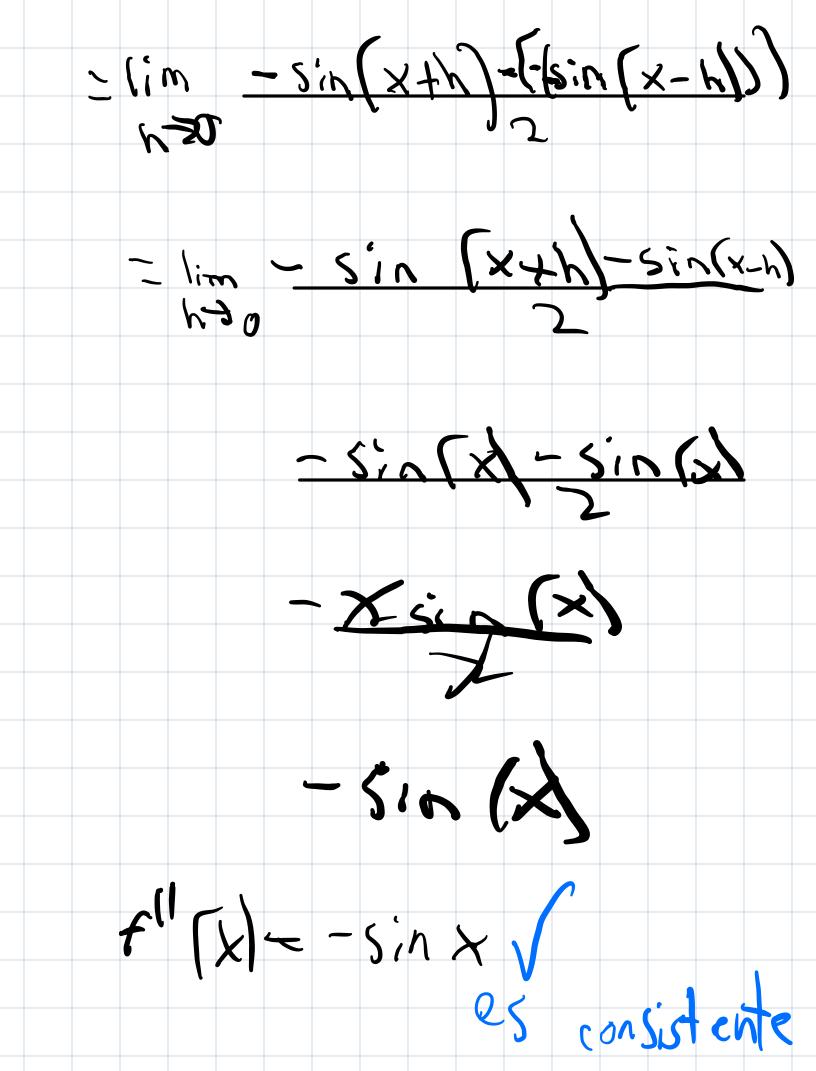
$$= -\cos(x) + 2\cos(x+h)$$

$$= -\cos(x) + 2\cos(x+h)$$

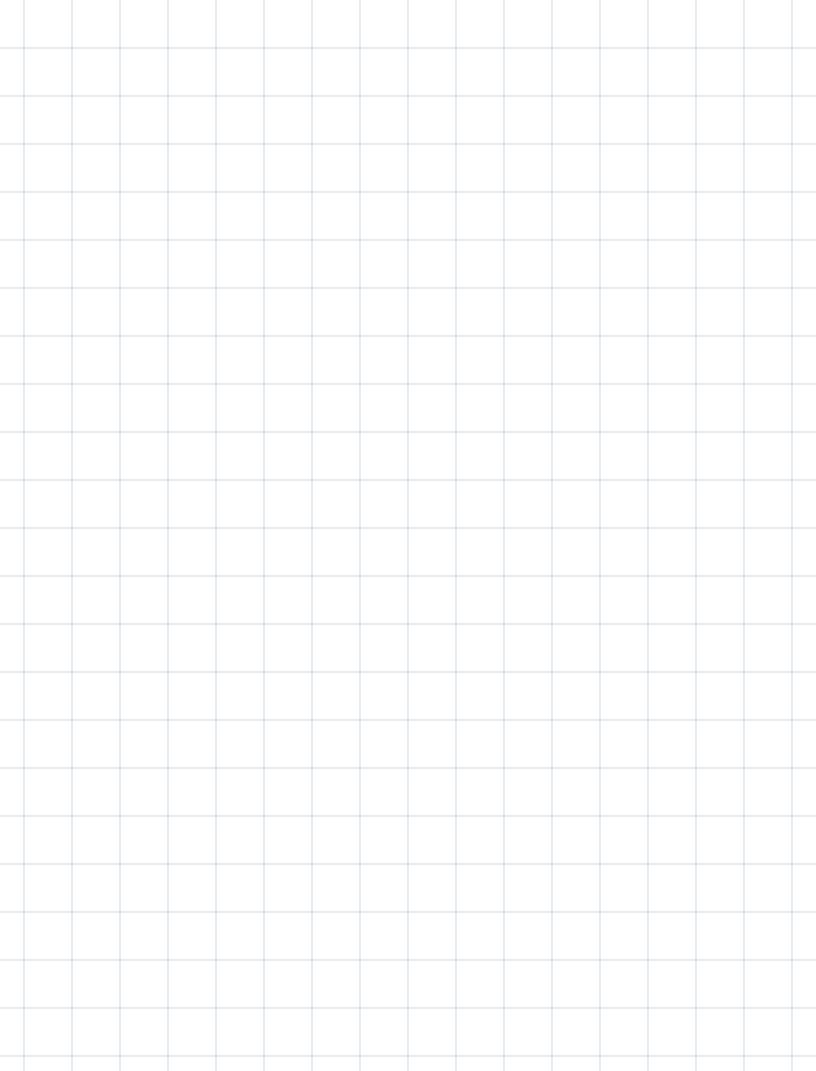
$$= -\cos(x+h) - 2\sin(x+h) + 2\sin(x+h)$$

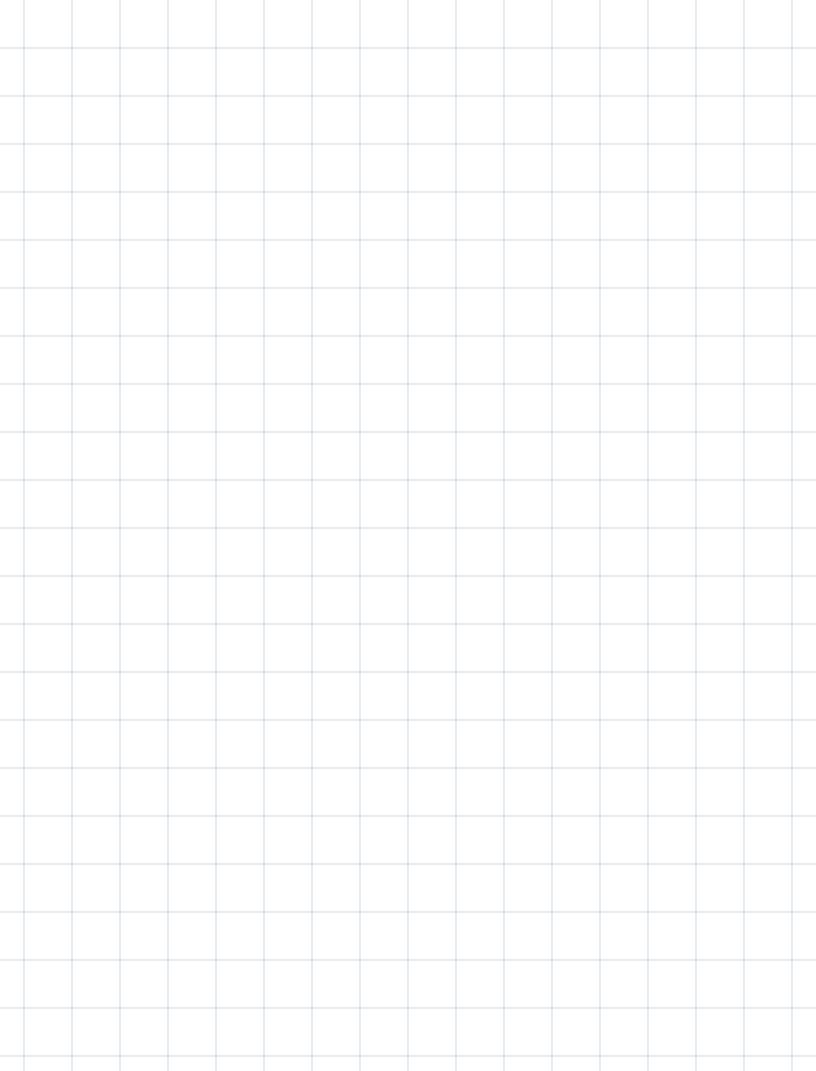
$$= -\cos(x+h) - 2\sin(x+h) + 2\sin(x+h)$$

$$= -\cos(x+h) - \cos(x+h)$$



c= 3×198 m/s lau=1.496×10"m 137 = 264005 laro=365 dias (=3×108 m / 12n (86400) (3658/as) 63,240 va/ano





S.
$$0.(0)=0.$$

$$\frac{80}{8t}=\infty 0$$

$$\frac{1}{8t}=\infty 0$$

$$U_{k} = (U_{k-2}(1+\infty \Delta t))(1+\infty \Delta t)$$
 $U_{k} = U_{k} - k[T](1+\infty \Delta t)$
 $U_{k} = 0$, $(1+\infty \Delta t)^{k}$
 $S_{i} = 0$, $(1+\infty \Delta t)^{k}$

