PROBLEMA 10.12 (alenda H'(z)

a)
$$H(x) = \int_{3}^{(\int_{1}^{\infty} sen^{3} t dt)} dt$$
 $\Lambda + t^{2} + sen^{6}(t)$

$$H^{1}(x) = \frac{\operatorname{Sen}^{3}(x)}{1 + \left(\int_{1}^{x} \operatorname{sen}^{3} \operatorname{td} t\right)^{2} + \operatorname{sen}^{6}\left(\int_{1}^{x} \operatorname{sen}^{3} \operatorname{td} t\right)}$$

b)
$$H(x) = cos \left(\int_{0}^{x} cos \left(\int_{0}^{t} cos^{3}(s) ds \right) dt \right)$$

$$H'(x) = - sen \left(\int_0^z cos \left(\int_0^t cos^3(s) ds \right) dt \right)$$
.
 $= \left(cos \left(\int_0^z cos^3(s) ds \right) \right)$