Gercicio 16

e)
$$A =]0, \frac{\pi}{2}[, f(x) = (\frac{1}{\lg x})^{\sin x} \quad (x \in A), \quad \alpha = \frac{\pi}{2}.$$

$$\lim_{x\to \frac{\pi}{2}^{-}} \left(\frac{1}{16x}\right)^{kux} = \lim_{x\to \frac{\pi}{2}^{-}} \left(\frac{\cos x}{\sin x}\right)^{kux} = \left(\frac{\cos \frac{\pi}{2}}{\sin \frac{\pi}{2}}\right)^{ku} = \left(\frac{0}{1}\right)^{k} = 0$$

comendo x va hacia I para Tophierda le función va a O.

f)
$$A =]0, \frac{\pi}{2}[, f(x) = (1 + \sin x)^{\cot x} \ (x \in A), \ \alpha = 0.$$

$$\lim_{x\to c^+} \left(\lim_{x\to c^+} \left($$

$$\lim_{x \to 0^+} \frac{16x}{p^{\nu}(1+8\pi x)} = \left[\frac{0}{0}\right]_{1=1}^{2} \lim_{x \to 0^+} \frac{1+10\pi x}{00! x} = \frac{7}{7} = 7$$