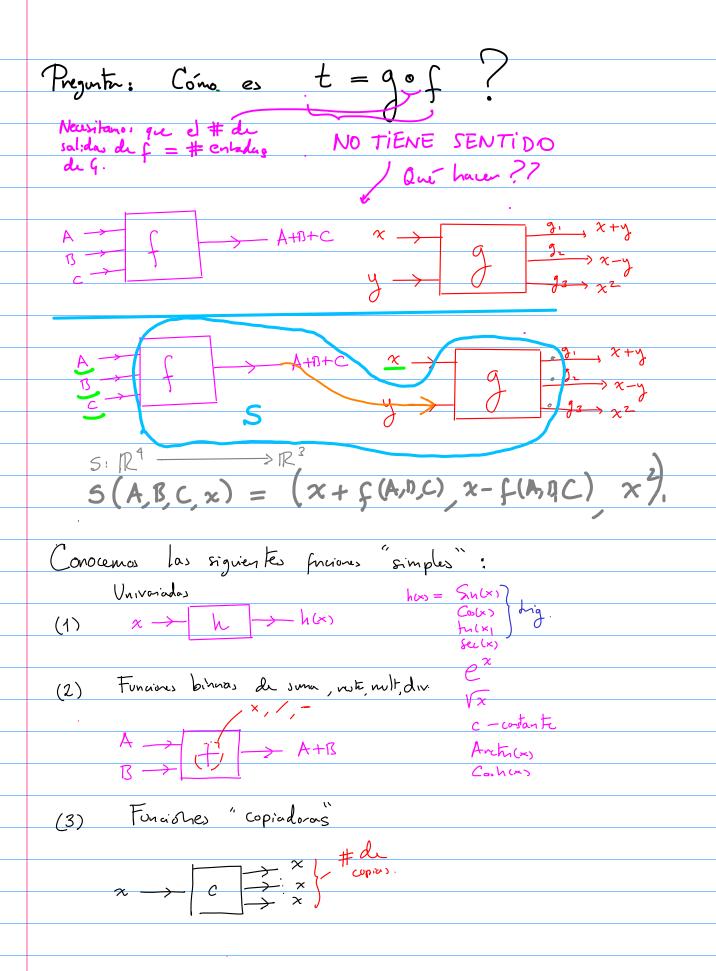
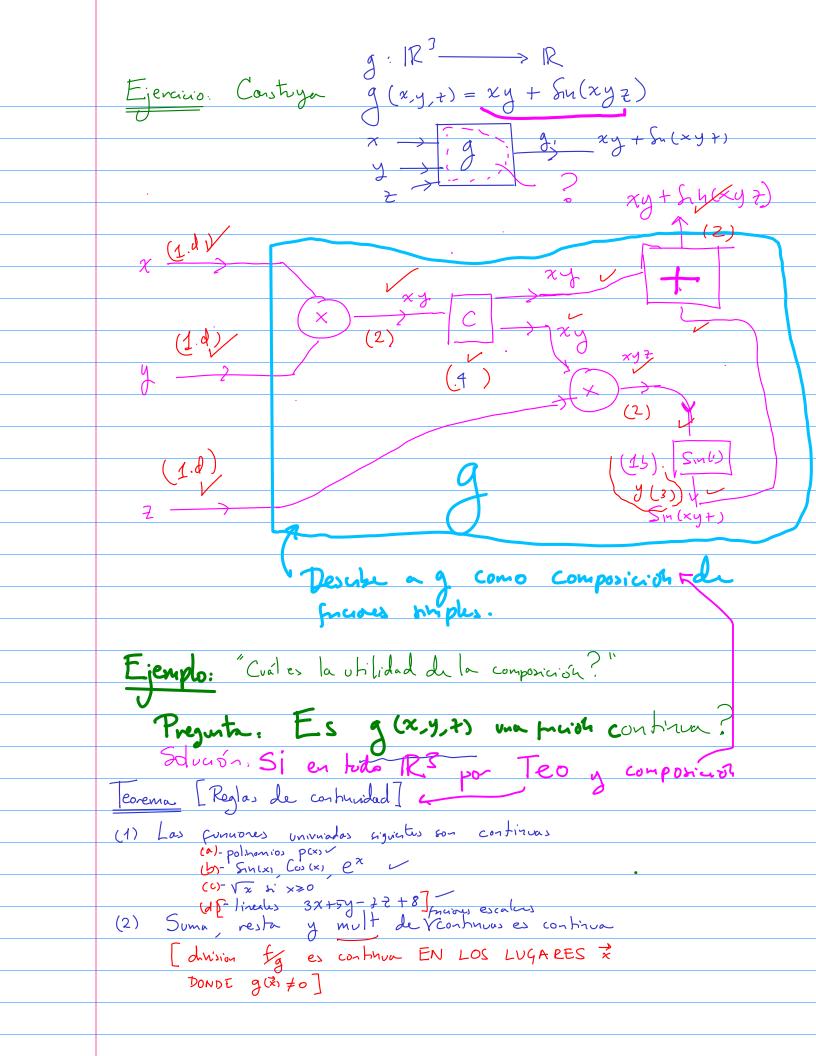
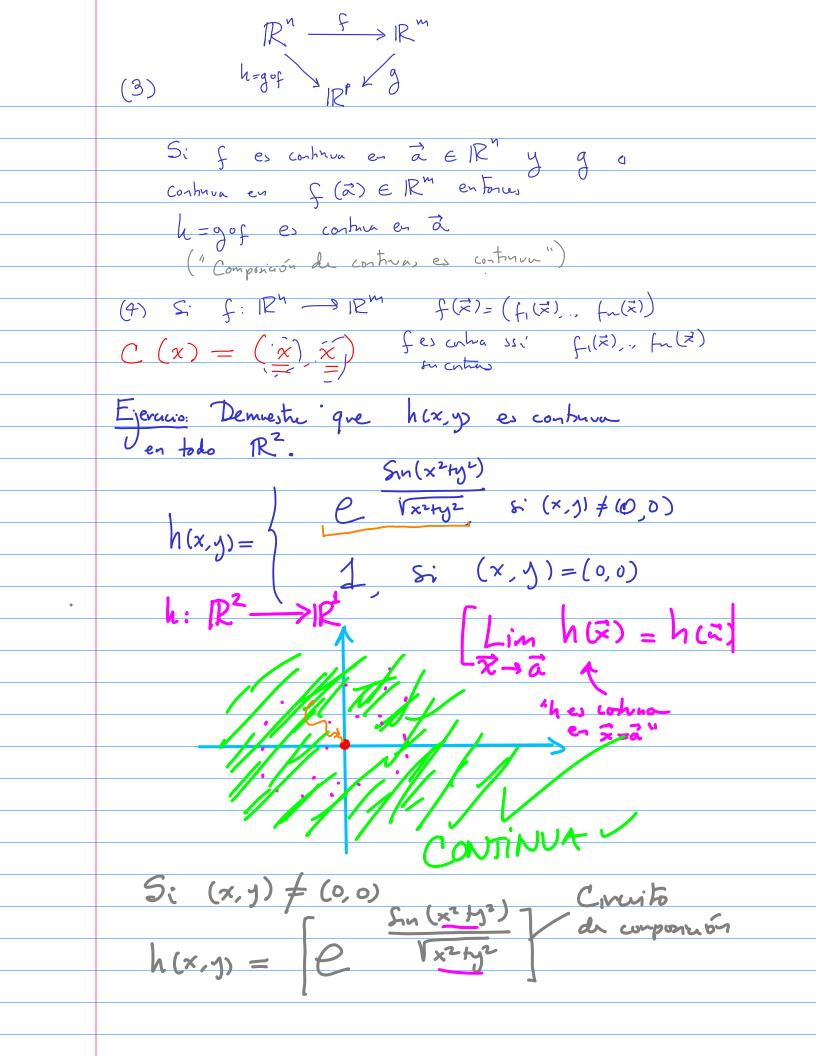
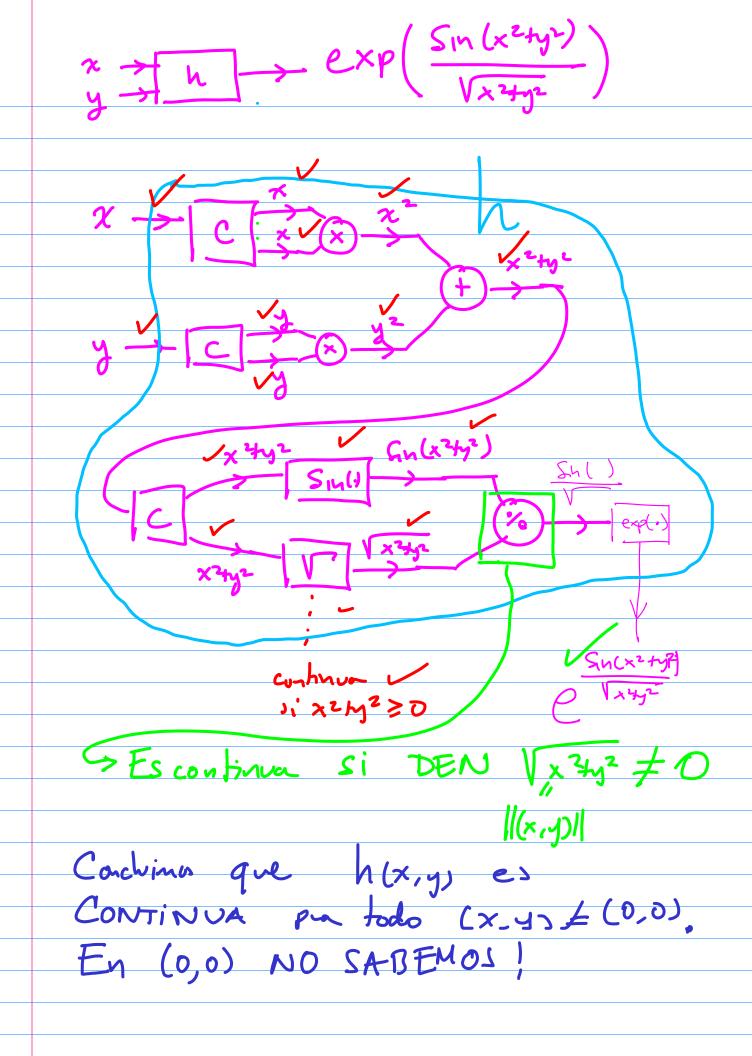


 $h(x-y) = f(x+y, x-y, x^2) = 2x + x^2$









En (0,0) analizamos contruidad medinte h(x,y) = h(0,0) = 1 $\lim_{(x,y)\to(0,0)} \frac{\sin(x-y)}{\sqrt{x^2+y^2}} = \lim_{x\to 0^+} \frac{\sin(x^2)}{\sqrt{x^2+y^2}}$ $\chi^{2} + y^{2} = (r(\omega_{0})^{2} + (rh_{1}^{2})^{2} = r^{2}$ $\exp\left(\frac{\operatorname{Lim}_{V^{*0}}^{*}}{V^{*0}}\right) = \exp(0)$ $=e^{\circ}=1$ Concluina que h(x,y) l'es continue en (0,0) luego es continue en todas portes como quíamos demostro V