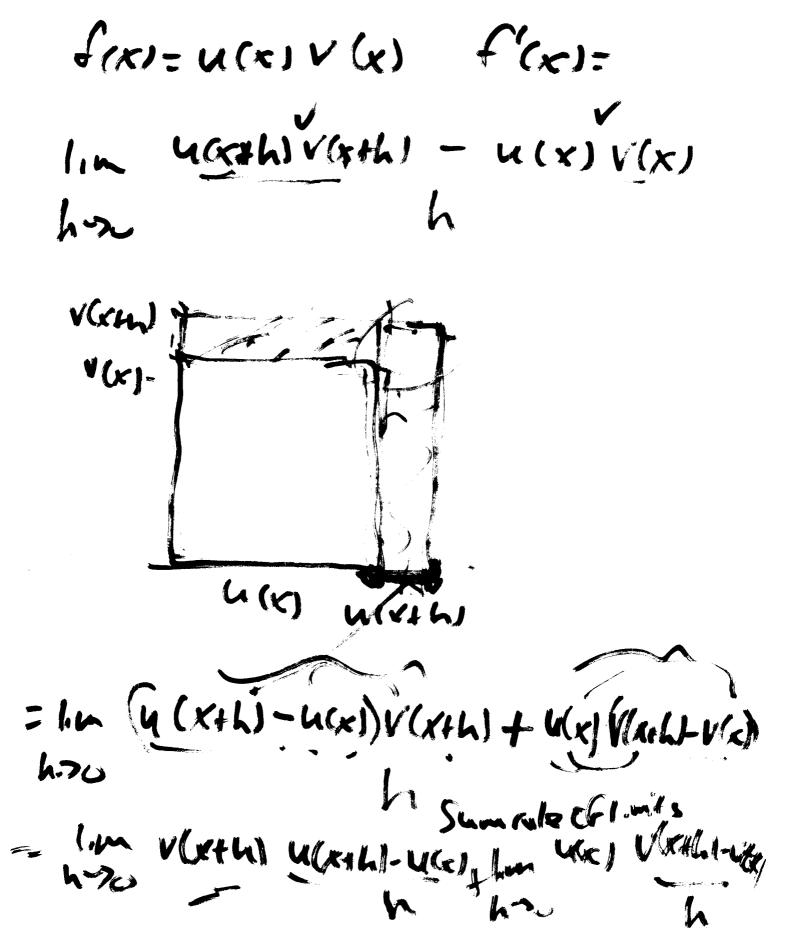
How to calculate f'(x) f(x)= lim f(x+h)-f(x) has more easily than directly from definition. f(x)= Vx-7-(4): 4: 4: 4.v' h>0 (X+h-7) - (XX-7) = ? F(x) = Vu'-uv! (vx+7/4x=)(x-7/4x=)

9(18

 $G(x) = u(x) \cdot v(x)$  $f'(x) = u'(x) \cdot v(x) + u(x) v'(x)$ 4(+) 4(++W) fixt u'vut uvwtuvw'

fax) = SM(x) = tan(x) (COS, Sin > '=<-5.14 (CS) OSKY (OSK) - SM(x)(:SMX)  $=\frac{1}{(95(x))^2}=\sqrt{Se(4)}$ Sec 2K,

f(x)=1x f'(x)=1f2(x)= X.X f(x)=1.x+x.1=2x F3(x) = X2.X: f4x=2xx+X.1=2 f(x)= x.x.x f(x)=1.x.x+x.1.x+xx.1
(C(s)'-(-s,0) FCO= Sin x. Sinx+ Coux. Cusx C:5+5.c+(-5).c+c.-5=0



Product of limite

1.04 VCx+h/liw 4.644)-4(x) 400 - hose, h I take hex I have the level = V(x) u'(x) + u(x) V'(x) if v'existe, derly on numerable => V(x1h) -> V(x1