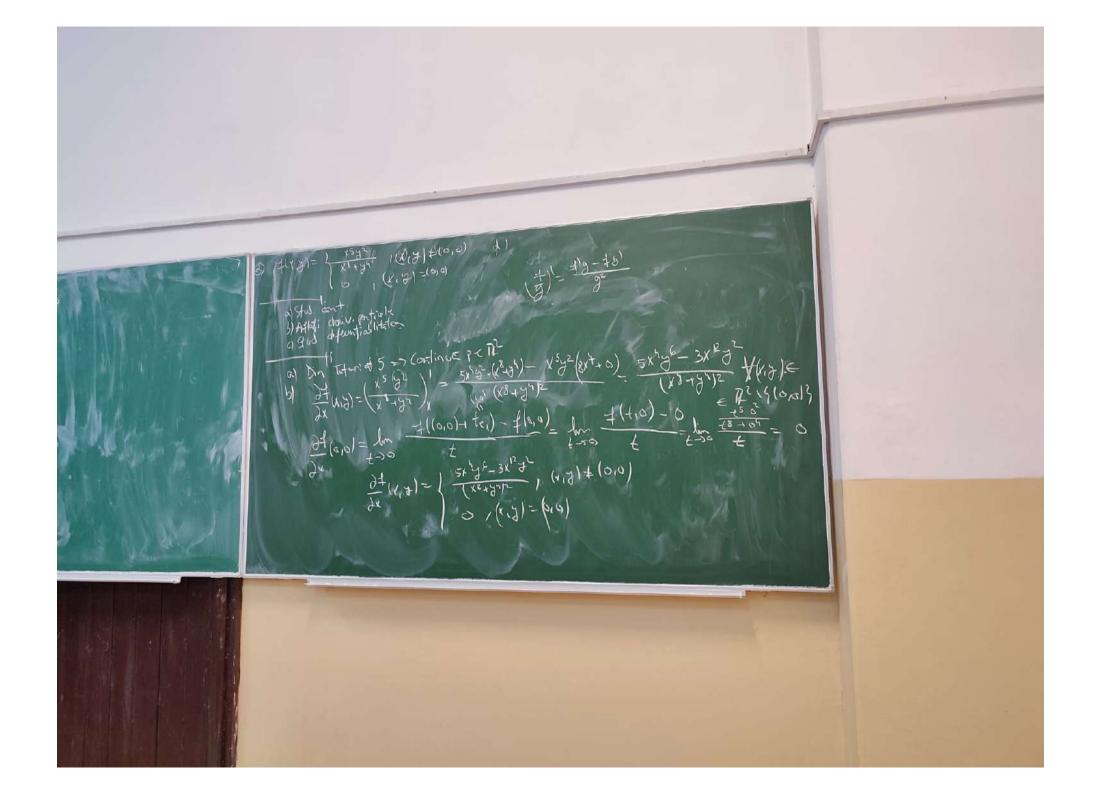
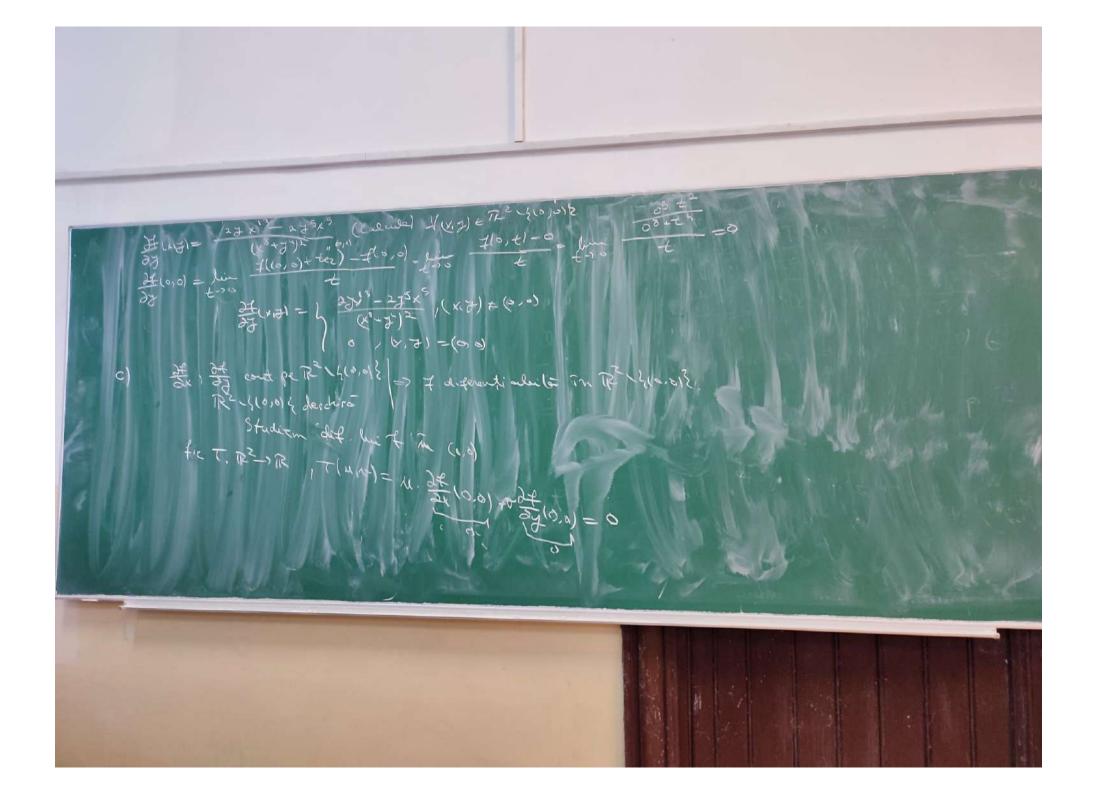
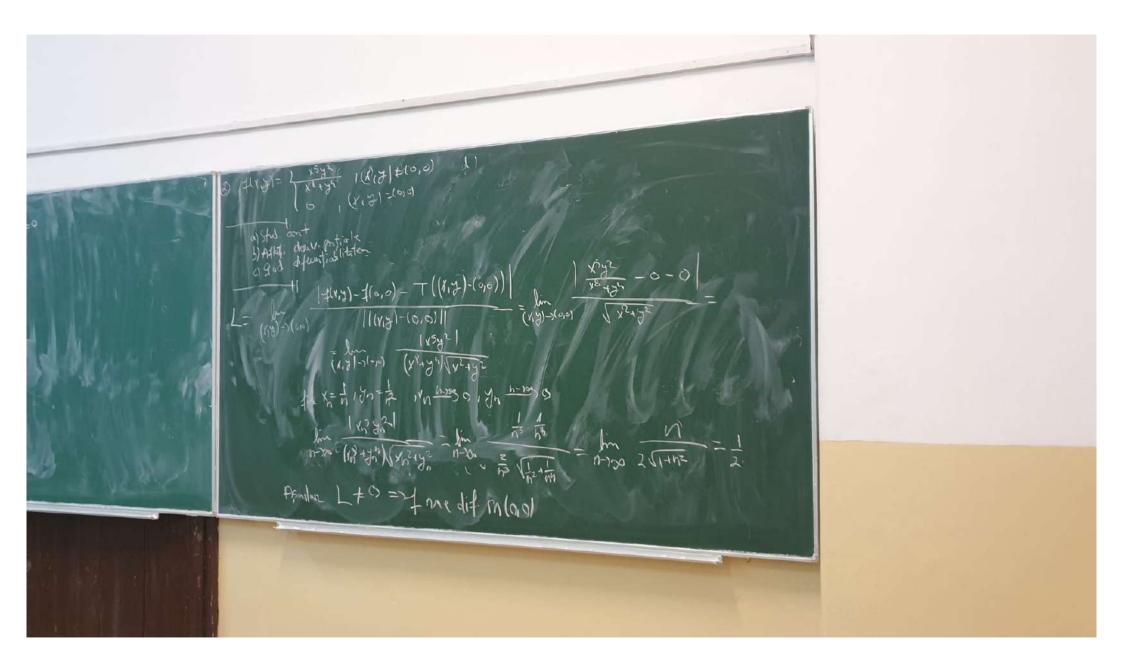


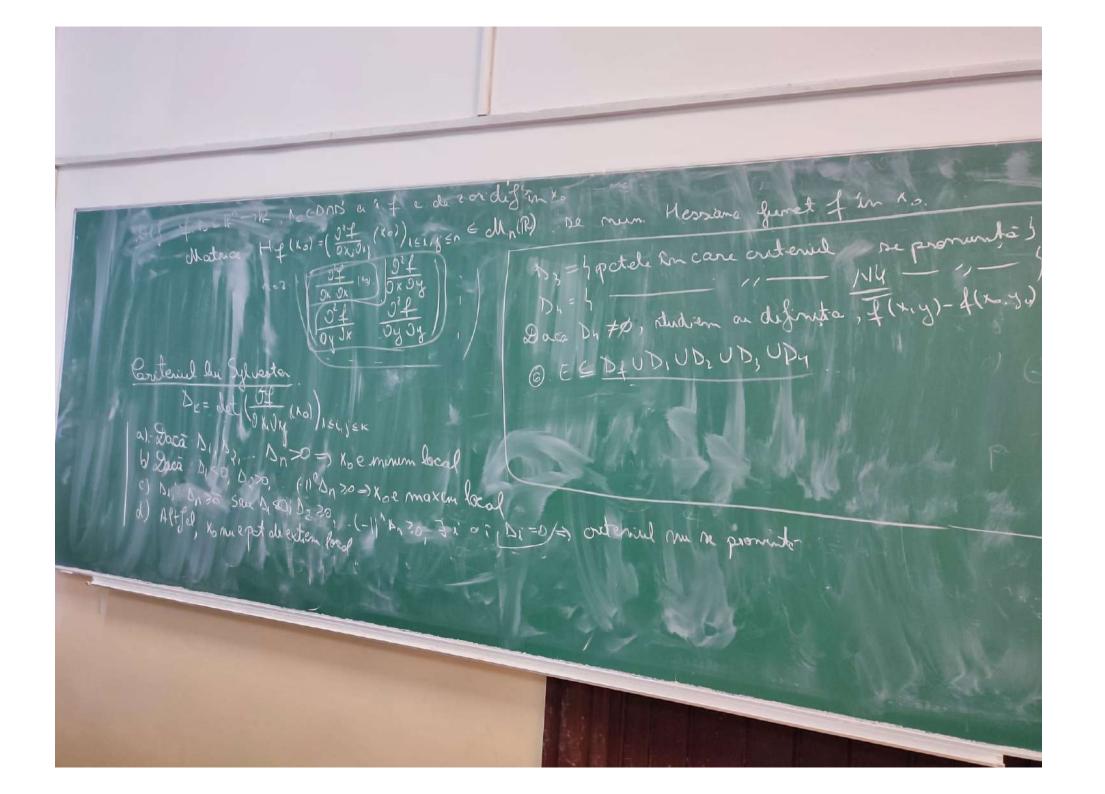
 $\frac{f(0,0)}{f(0,0)} = \lim_{t \to 0} \frac{t\sqrt{t_1^2 - 0}}{t} = \lim_{t \to 0} |t,1-0| = 0$   $\frac{f(0,0)}{t} = \lim_{t \to 0} \frac{0\sqrt{0^2 + t_1^2 - 0}}{t_1} = 0$   $\frac{0\sqrt{0^2 + t_1^2 - 0}}{t_2} = 0$ Johnson diferentiabilitatas pe multimea unde 3 teate deviatel partil => f a deferențiabila pe R2 ((0,0)) 34 14 cont pe 12 / 10,015) Doca aven ponte et care am colorlet repart devotel portide, acum

=> f e diferentiabila in (0.0) DIM ( x a) => f e diferentiabila pr IR. = coloulism of (2,1) (ob. o Sunch)  $df(2,1)(u,v) = u \frac{2f}{2x}(2,1) + v \frac{3f}{3y}(2,1)$   $2f(2,1) = \sqrt{5} + \frac{1}{15}$ 









Gentholiazo del de orden 2 p. descriom Do=) XI f mu colfde 200)

Se ntholiazo del de orden 2 p. descriom Do=) XI f mu colfde 200)

Bx , 0x0g, 0y0x, 0xy con control orden orde