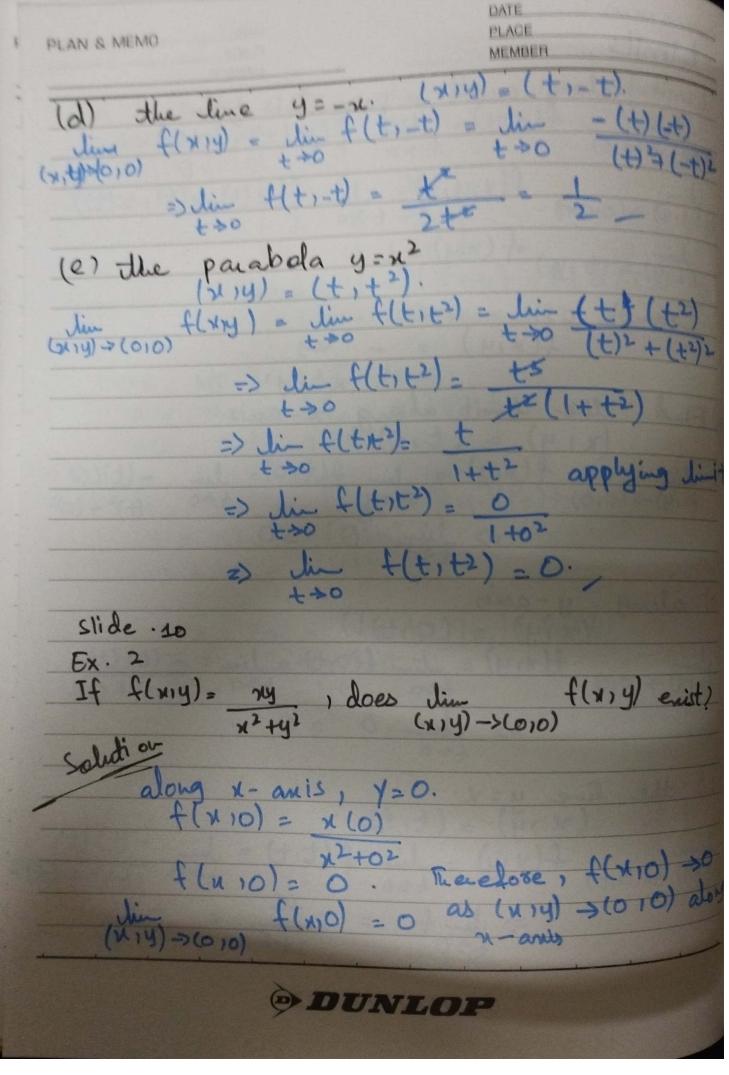
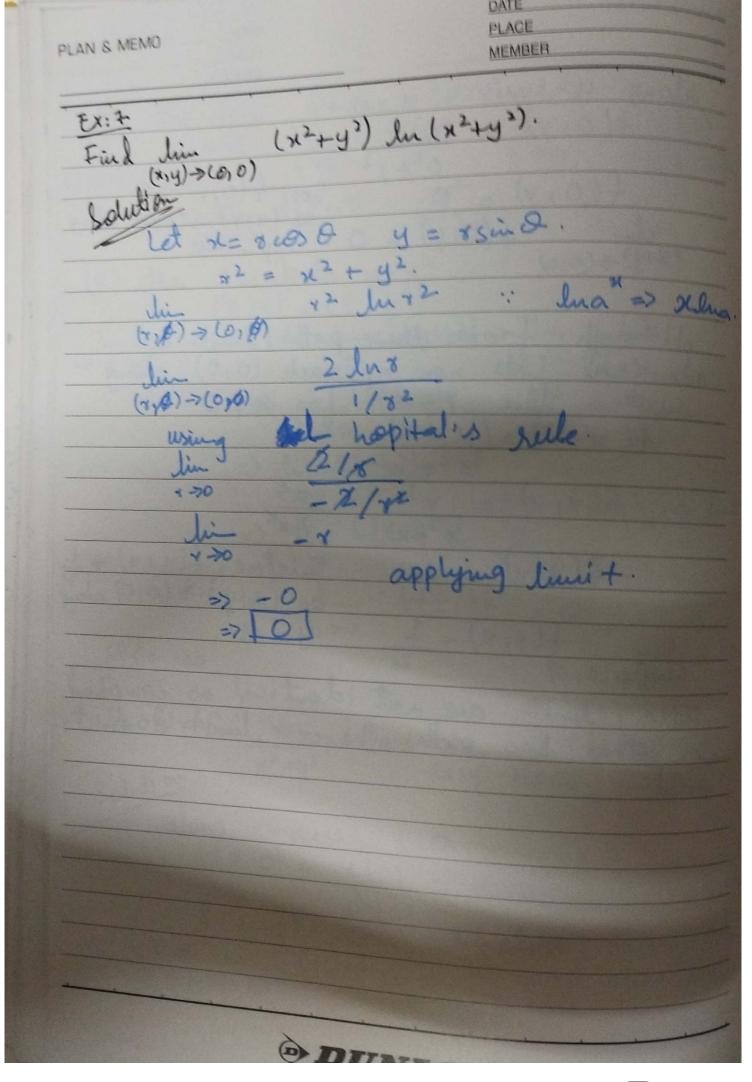
PLAN & MEMO DATE Limits MEMBER Limits along curve in parametric form.

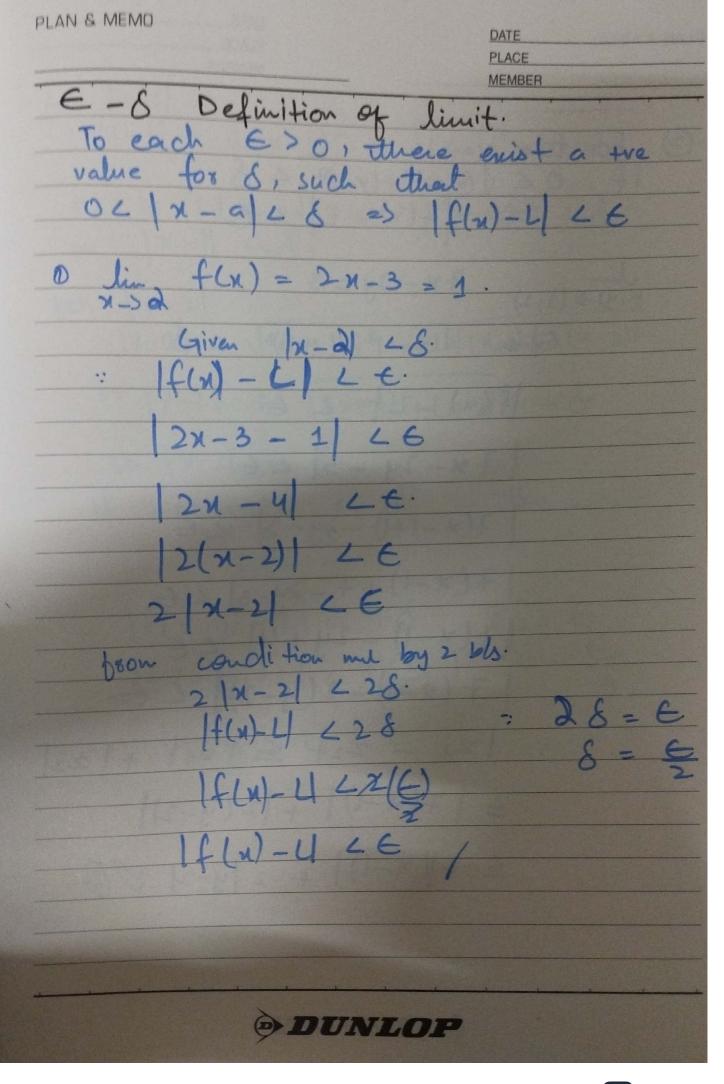
f(x1y) = lim f(x(t), y(t)) (X14) -> (010) f(1)y,2)= lim f(x(t),y(t), z(t)). f (x14) = L Example 01: f(xiy) x2+ 42 the limit along x-anis.

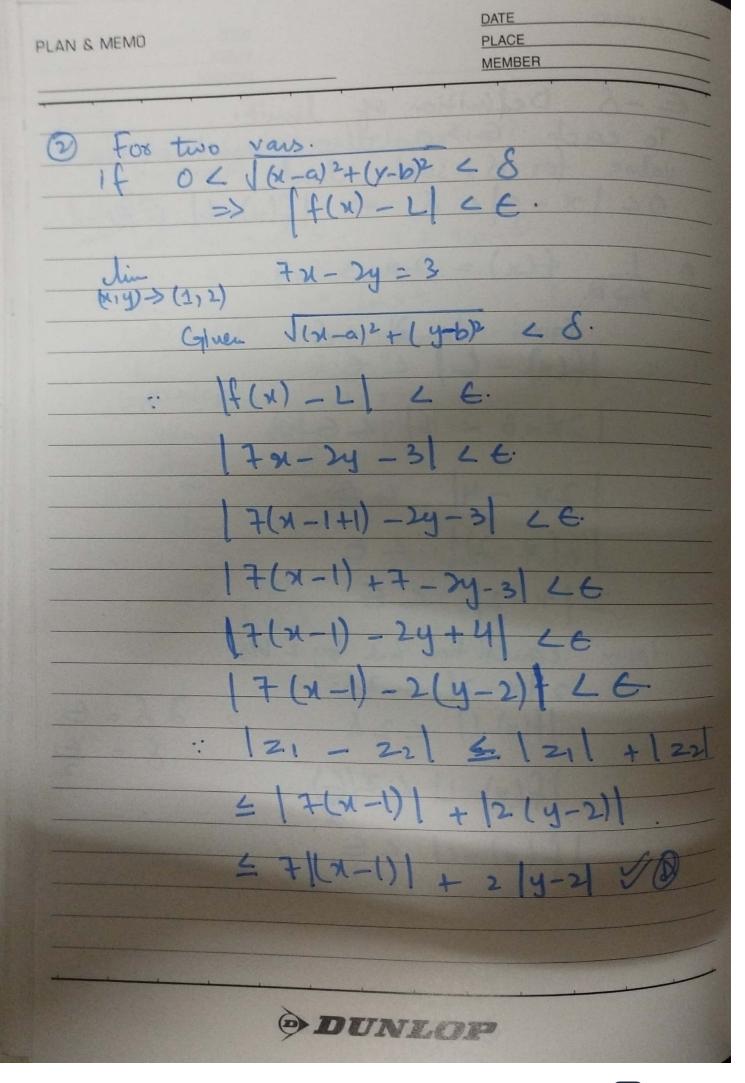
(x, y) = (t, 0). = lin f(t,0)= lin +>0 k14) -> (0,0) b) along =0 . DUNLO

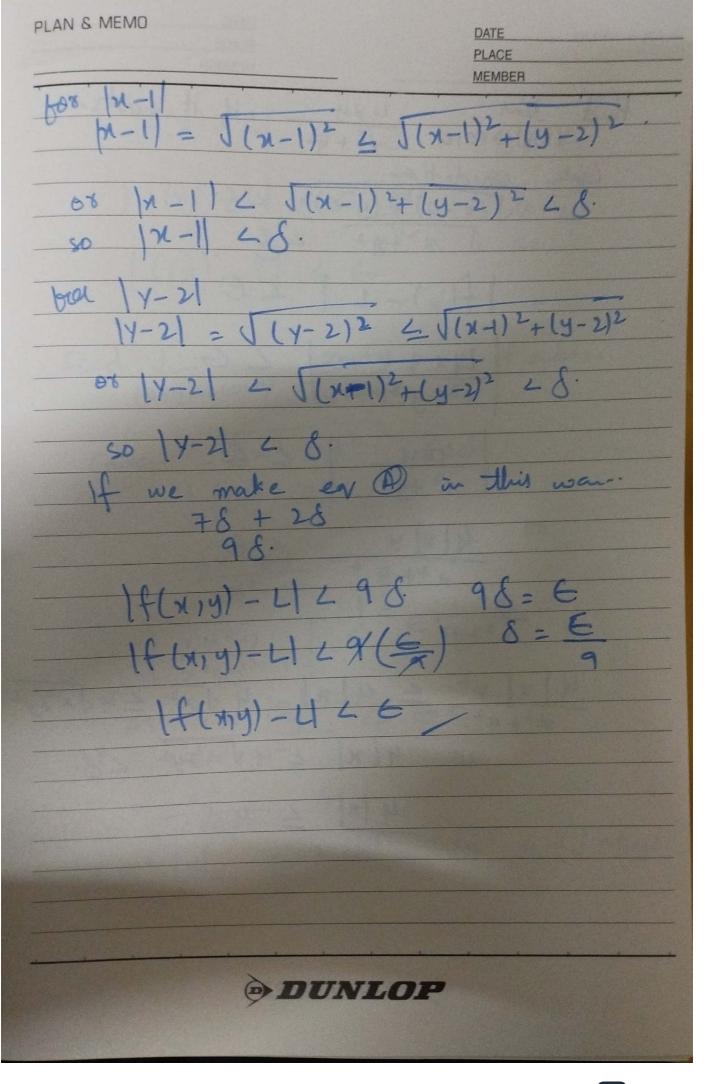


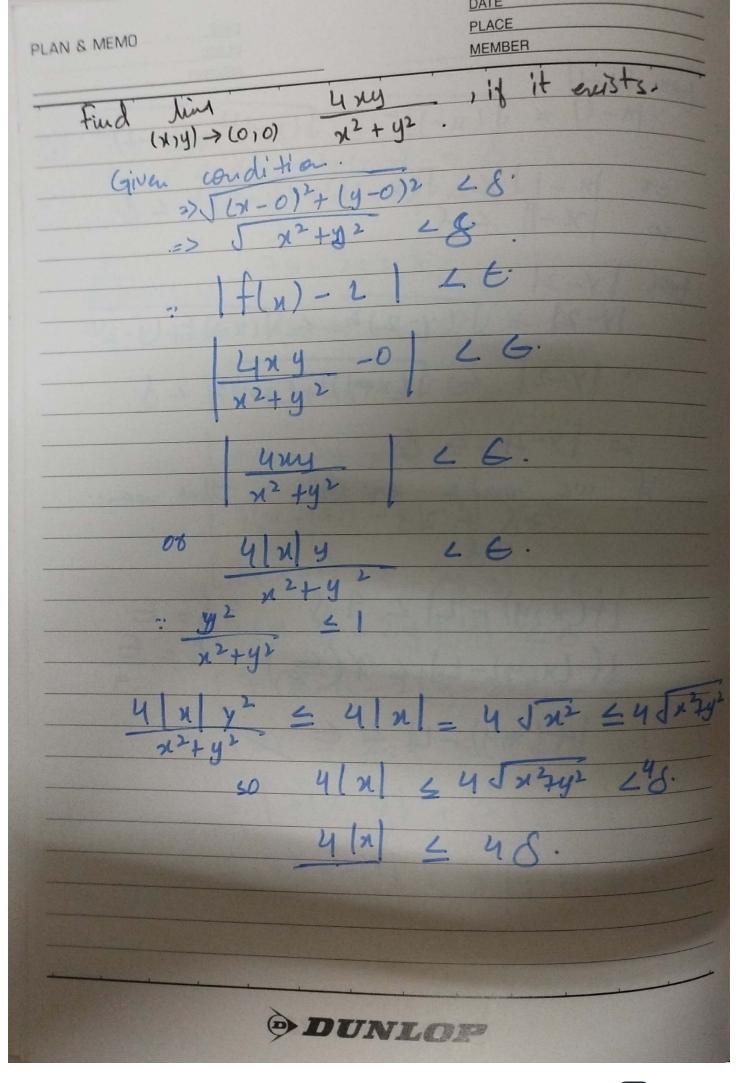
PLAN & MEMO PLACE MEMBER along y-amis, x=0. f(0,y) = (0)yf(0,y) = 0 rom these paths, limits are now approach (0,0) along (0,0) (-(Kery) since, limits are not identical as company to other two paths, hence limit doesn quist DUNLOP



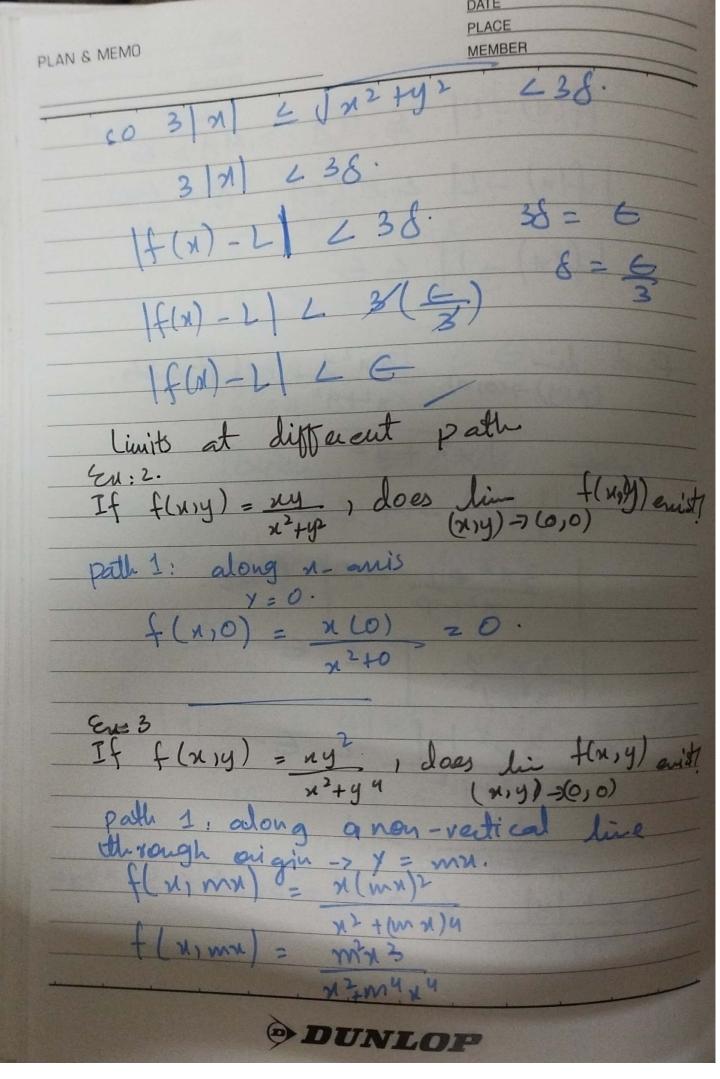








PLAN & MEMO DATE MEMBER If(x1)-4 = 48 48=6 (f(n)-L) Lx(6) 8=6 f(n)-1 46 Find li 3 n2y if Herrists.
(x14)->(010) x2+y2 Caiven Jx2+y2 LS. $\frac{3x^2|y|}{x^2+y^2}$ $\frac{4}{3}|y| = 3\sqrt{y^2} \leq 3\sqrt{x^2+y^2}$ DUNLOP



PLAN & MEMO DUNLOP

