Красилива Я.Я. A-07-23 6) $f(x,y) = \frac{x^3 + y^3}{-2x^2 + y^2}$ (-2x2+y2)2 (-2x2+y2) 4) f(x,y, 2) - ln (4) x4 -## (Ph W= 1/4) 1/2)=fy. 8jn VZ). 1/2 4Vx4-x2Vy+ yeos VZ

8) f(x,y, Z)= x, 322 8) $f(x,y,z) = x^{\frac{3}{2}2}$ $f(x) = \frac{3y}{3+2}, \quad \chi = \frac{3y}{3+2} = \frac{1}{2}$ $\chi = \frac{2y}{3+2}, \quad \chi = \frac{2y}{3+2} = \frac{1}{2}$ fy) = x 322, ln x. (24) = x 322 ln x. 2 322 f(z) = x 3/22 lnx (2y . 1) = x 3/22 lnx (3) (2) 18) ZX+x22=y2 Mo(b;1;1)
0x+x2-y2-0 F'(x) (x-x0) + F/4)/4-40) + F/2/(2-20) =0 $(F'(x)) = e^{x} + z$ $(F'(x)) (M_0) = 1 + z$ F'(y) = -2y $(F'(y)) (M_0) = -2$ F'(z) = x (F'(z)) = x(1+2) (1-0)+(-2)(y-1)+x(x-1)=0 $\frac{(1-0)-(y-1)-(x-1)}{1+2}$ 19) S(x,y, 2)=-x = 3y 2+32-x+3y+3 F/4/2-64+3

$$\begin{cases}
F(z) = 3 \\
f(x)(N_0) = 3 \\
F(y)(N_0) = 6y_0 + 3
\end{cases}$$

$$\frac{2K_0 - 1}{-5} = \frac{-6y_0 + 3}{9} = \frac{3}{3}$$

$$\begin{cases}
2K_0 - 1 = -5 \\
-5 = -32
\end{cases}$$

$$2 = \frac{5}{3}$$

$$M_0 d - 2i - 1i \frac{5}{3}i - 5(x + 2) + 9(y + 1) + 3(z - \frac{5}{3}) = 0$$