So, $\boxed{x=0, y=1}$ is a solu of this eqn.

It satisfies constraint $x^2 - y^2 = 0 - 1$
$$= -1$$

$f(x,y) = 0 + 2 + 1 = 3.$

So, $\boxed{x=0, y=1}$ $\longrightarrow$ Ans.