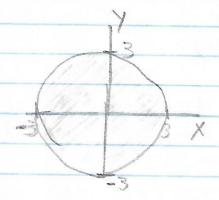
David Nuro 14 Sep, 2021

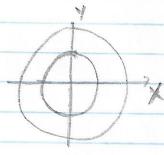
Fundamentos Maternaticas Exomen I

10)



D= {X, Y) E 12: X+12 =9}

b) K=1, K=2



c) I={R;0<23}

d) f(xxy) es continua en (0,0) porque la resolante es una constante 3

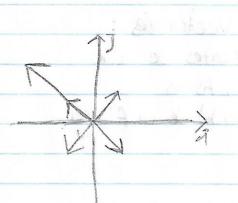
Sexibe:

 $H = y\hat{\lambda} + \hat{x}^2 J$ $X(r, \theta) = rsen \theta$ $Y(r, \theta) = rsen (re)$ G(X,Y)= Yi, Fz(X,Y)=X-1 OH - (OF, Ox + OF, Ox) x + (OF, Ox + OF, Ox) 1 = (Ofa dy) A + (Ofa dx) A = () d (sen(20)) A + () x d (sen (0)) f = 2 r cos(0) 2 + (2X)(r cos(0)) g cultumos en (0,0) = 0

Soube

$$F(2,1) = -(2)i + 2j$$

 $F(2,2) = 2i + 2j$
 $F(2,2) = -2i + 2j$
 $F(2,2) = -2i + 2j$



$$\frac{\partial Z}{\partial x} - \frac{\partial (y^2)}{\partial x} + \frac{\partial (x^2)}{\partial x} + \frac{\partial (z^2)}{\partial x} - \frac{\partial (z^2)}{\partial x} - \frac{\partial Z}{\partial x}$$

7:

Sewe.

5:
Campos Voctoriales:
1. Corrientes de aire
7: Magnetismo
3. Velocidad de un fluido

Compos escalores: 1- Difusión temperatura 2- disperción de fluidos

Soube