P1) not 
$$\hat{f} = (X, X^2 - 2X, -2)$$

P1) 
$$not \hat{f} = (x, x^2 - 2x, -2)$$

$$\begin{cases} z = 3 - x^2 - y^2 \\ z = 2x^2 + 2y^2 \end{cases} \begin{cases} 2x^2 + 2y^2 = 3 - x^2 - y^2 \\ z = 2x^2 + 2y^2 \end{cases} \begin{cases} x^2 + y^2 = 1 \\ z = 2x^2 + 2y^2 \end{cases} \begin{cases} x^2 + 2y^2 = 3 - x^2 - y^2 \\ x^2 + y^2 = 1 \end{cases}$$

$$\begin{cases}
\hat{g} = \hat{d} \\
\hat{g} = \hat{d}$$

$$= \iint_{X^2+Y^2\leq 1} -2 \text{ area } (S_{xy}) = \begin{bmatrix} -2 & T \end{bmatrix}$$

$$(12x + 2y = (12x + 2y = (12x + 2x = 2x y))$$

$$f_{1y} = 2Z = f_{2x}$$

$$\int_{0}^{1} f_{1z} = 2Y = f_{3x}$$

$$D_f = \mathbb{R}^3$$
 simplemente correcto
$$f_{22} = 2X = f_{3y}$$

\$ = \( \int \frac{1}{5} \left( \text{tx, ty, tz} \right) \cdot \text{(x, x, z)} dt + k = \( \left( 12t \text{x} + 2t^2 \text{yz, 6t y} + 2t^2 \text{xz, 2t^2 xy} \right) \left( \text{x, y, z} \right) dt + k = \( \left( 12t \text{x} + 2t^2 \text{yz, 6t y} + 2t^2 \text{xz, 2t^2 xy} \right) \left( \text{x, y, z} \right) dt + k = \( \left( 12t \text{x} + 2t^2 \text{yz, 6t y} + 2t^2 \text{xz, 2t^2 xy} \right) \left( \text{x, y, z} \right) dt + k = \( \left( 12t \text{x} + 2t^2 \text{yz, 6t y} + 2t^2 \text{xz, 2t^2 xy} \right) \left( \text{x, y, z} \right) dt + k = \( \left( 12t \text{x} + 2t^2 \text{yz, 6t y} + 2t^2 \text{xz, 2t^2 xy} \right) \left( \text{x, y, z} \right) dt + k = \( \left( 12t \text{x} + 2t^2 \text{yz, 6t y} + 2t^2 \text{xz, 2t^2 xy} \right) \left( \text{x, y, z} \right) dt + k = \( \left( 12t \text{x} + 2t^2 \text{yz, 6t y} + 2t^2 \text{xz, 2t^2 xy} \right) \left( \text{x, y, z} \right) dt + k = \( \left( 12t \text{x} + 2t^2 \text{yz, 6t y} + 2t^2 \text{xz, 2t^2 xy} \right) \left( \text{x, y, z} \right) dt + k = \( \left( 12t \text{x} + 2t^2 \text{yz, 6t y} + 2t^2 \text{xz, 2t^2 xy} \right) \left( \text{x, y, z} \right) dt + k = \( \left( 12t \text{x} + 2t^2 \text{yz, 6t y} + 2t^2 \text{xz, 2t^2 xy} \right) \left( \text{x, y, z} \right) dt + k = \( \left( 12t \text{x} + 2t^2 \text{yz, 2t^2 xz, 3t^2 xz = ) (12t x2+2t2+ 2+6t y2+ 2t2 xy2+2t2 xyz) dt + k=

$$\phi = \left[6t^2 x^2 + \frac{4}{3}t^3 x y z + 3t^2 y^2 + \frac{2}{3}t^3 x y z\right] + k = 6x^2 + 2x y z + 3y^2 + k$$

$$\phi_{(1,9,a)} - \phi_{(-a,a,1)} = 6+2a^2+3a^2+k^{-(6a^2-2a^2+3a^2+k)} = 6-2a^2 - 5-2a^2 - 6-3a^2 - 3-5[a=\pm \sqrt{3}]$$

P3) 
$$\bar{f}(x,y,z) = (x,2y,x-z)$$
  
 $S: Y = 4-x^2$   
 $0 \le z \le y \Rightarrow 0 \le z \le 4-x^2$   
 $\times 30$   
 $\times 20$   
 $\times 20$