

Dada la función:

$$f : \mathbb{R}^3 \longrightarrow \mathbb{R}^2 \mid f(x, y, z) = (x + y - z, x^2 - y^2 + z^2),$$

calcula $df(-1, 0, 1)$ y $(D_{(2, -1, 1)}f)(-1, 0, 1)$.