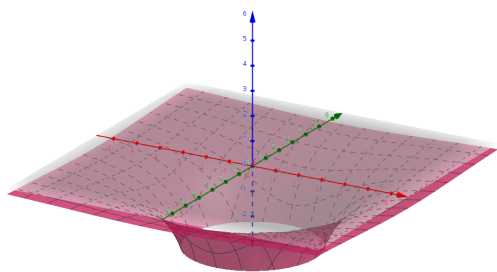


$$f(x, y) = \frac{20}{1-x^2-y^2}$$

$$1. \text{ Dom}(f) = \{(x, y) \in \mathbb{R}^2 : \|(x, y)\| \neq 1\}$$



2.

3. No, porque no existe el limite