$$f(x_1y) = \frac{2xy}{x^2 + 2y^2}$$

9 => => f(n19) =>

$$(-2)\cdot y^2 \leq 0$$

$$x = -y$$
 =) $f(x_1y_1) = \frac{2(-y_1)y_1}{(-y_1^2 + 2y_1^2)} = \frac{-2y_1^2}{3y_1^2} = -\frac{2}{3}$

$$x = y \Rightarrow f(x_1y) = \frac{2x \cdot x}{x^2 + 2x^2} = \frac{2x^2}{3x^2} = \frac{2}{3}$$

$$D = \mathbb{R}^2 - \{(0,0)\}$$

$$D = \{(x,y) \in \mathbb{R}^2 \mid x \neq 0 \neq y \neq 0\}$$

$$f(x,y) = 9 - x^2 - 9y^2$$
, $\frac{3}{2} = 9 - x^2 - 9y^2$

$$3 = 9 - x^2 \Rightarrow 3 = -x^2 + 9$$
 (parábola)

$$z = 9 - 9y^2 \Rightarrow z = -9y^2 + 9$$
 (parábolo)

$$0 = 9 - x^{2} - 9y^{2} \Rightarrow x^{2} + 9y^{2} = 9 \Rightarrow \frac{x^{2}}{3^{2}} + \frac{y^{2}}{4} = 1$$
 (& Gipte)

8 =1:

$$\frac{1 = 9 - \chi^2 - 9y^2}{8} \Rightarrow \chi^2 + 9y^2 = 8 \Rightarrow \chi^2 + \frac{9y^2}{8} = 1 \Rightarrow \frac{\chi^2}{\sqrt{[8]^2}} + \frac{y^2}{\sqrt{[8]^2}} = 1$$