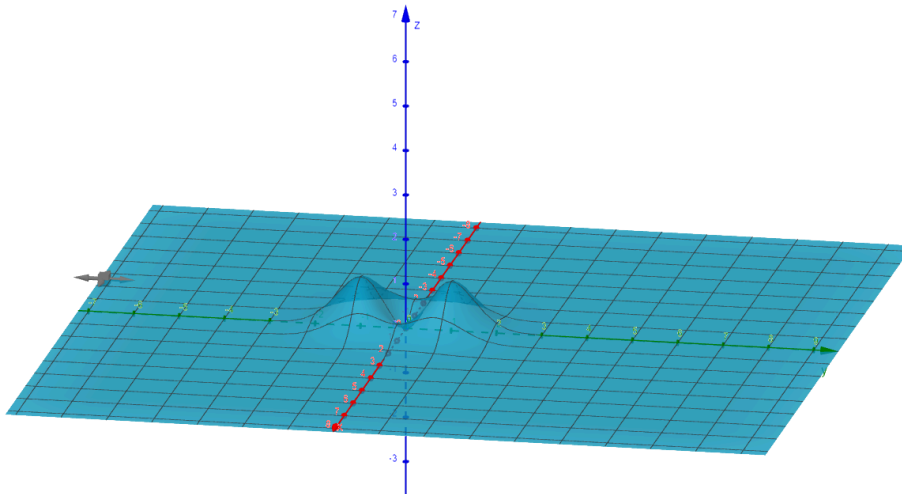


Exercícios 2

Para os exercícios a seguir, esboce o gráfico da função dada. Coloque a imagem do gráfico e como foi obtido (código do programa ou arquivo do Geogebra)

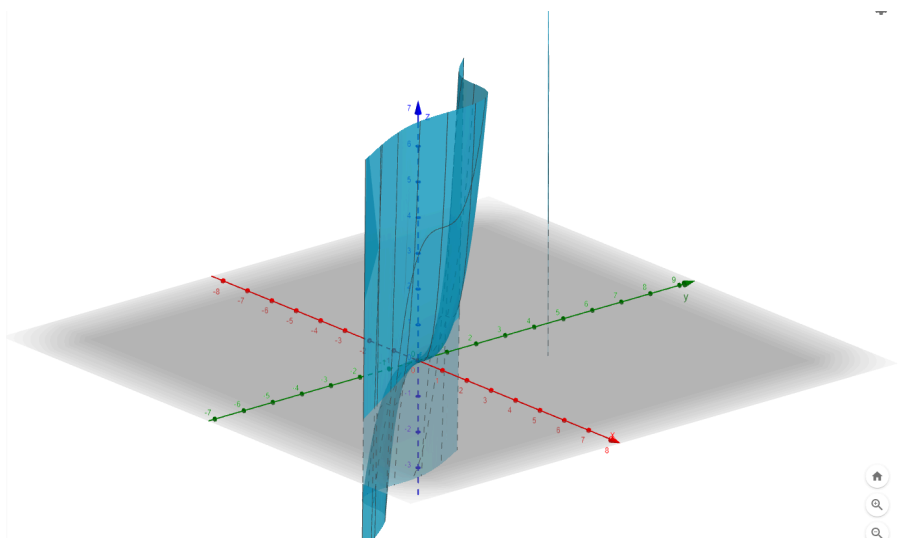
Questão 1: $f(x,y)=(x^2+3y^2)e^{-(x^2+y^2)}$

☐ $f(x,y) = (x^2 + 3y^2) e^{-x^2 - y^2}$ ⋮



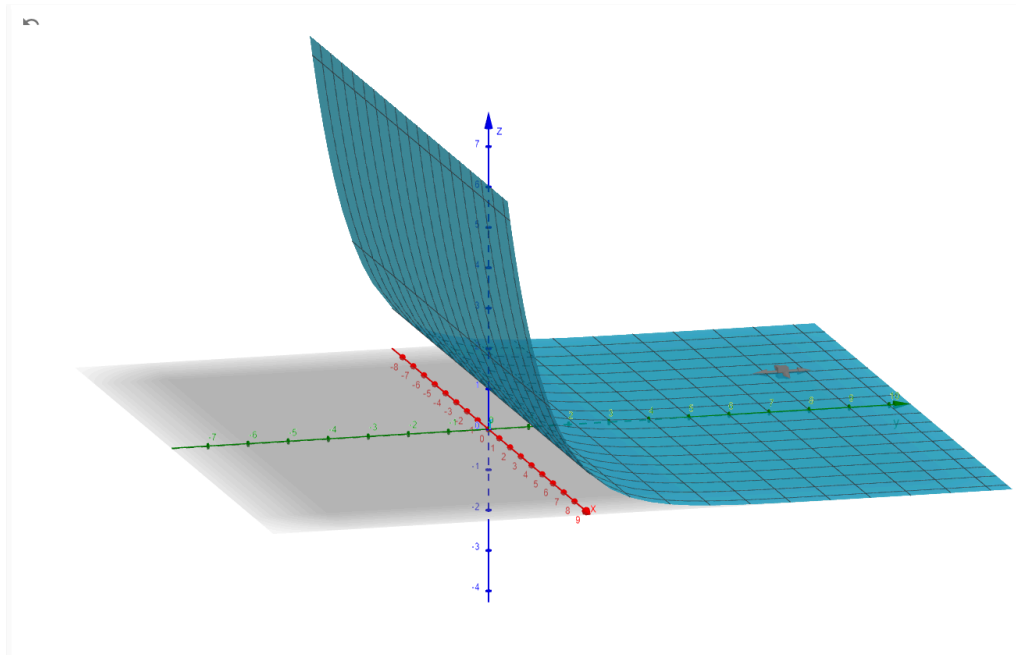
Questão 2: $f(x,y)=4x^3+y^3$

☐ $f(x,y) = 4x^3 + y^3$



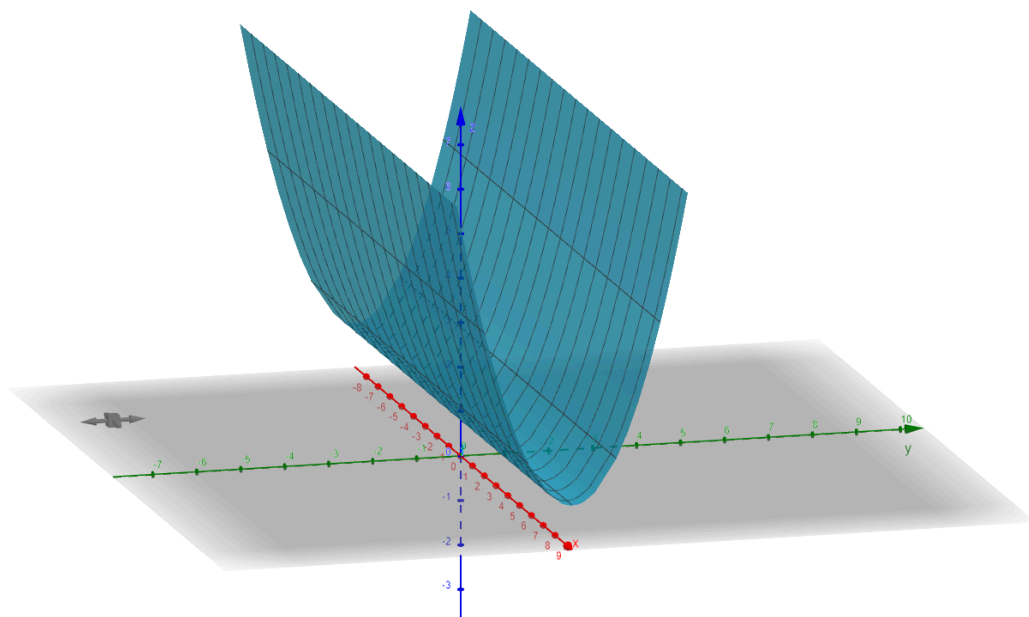
Questão 3: $f(x,y)=e^{-y}$

☐ $f(x,y) = e^{-y}$ ⋮



Questão 4: $f(x,y)=y^2+1$

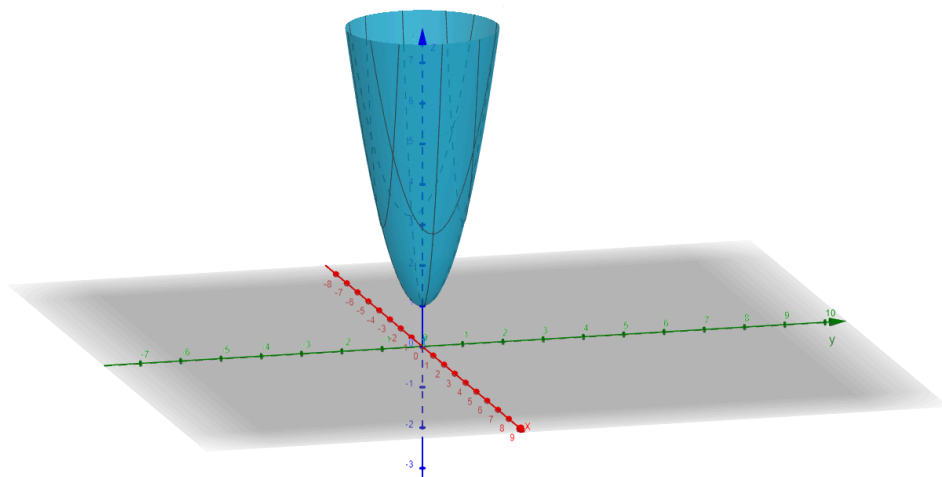
☐ $f(x,y) = y^2 + 1$



Questão 5: $f(x,y)=1+2x^2+2y^2$



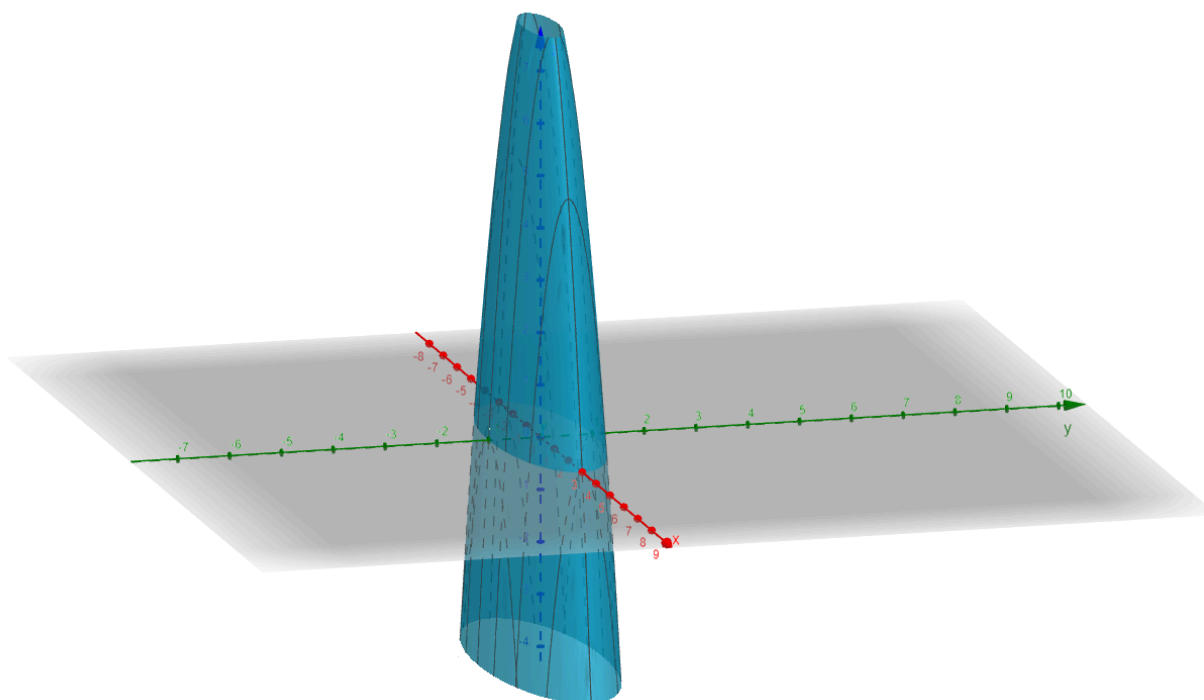
$$f(x,y) = 1 + 2x^2 + 2y^2$$



Questão 6: $f(x,y)=9-x^2-9y^2$



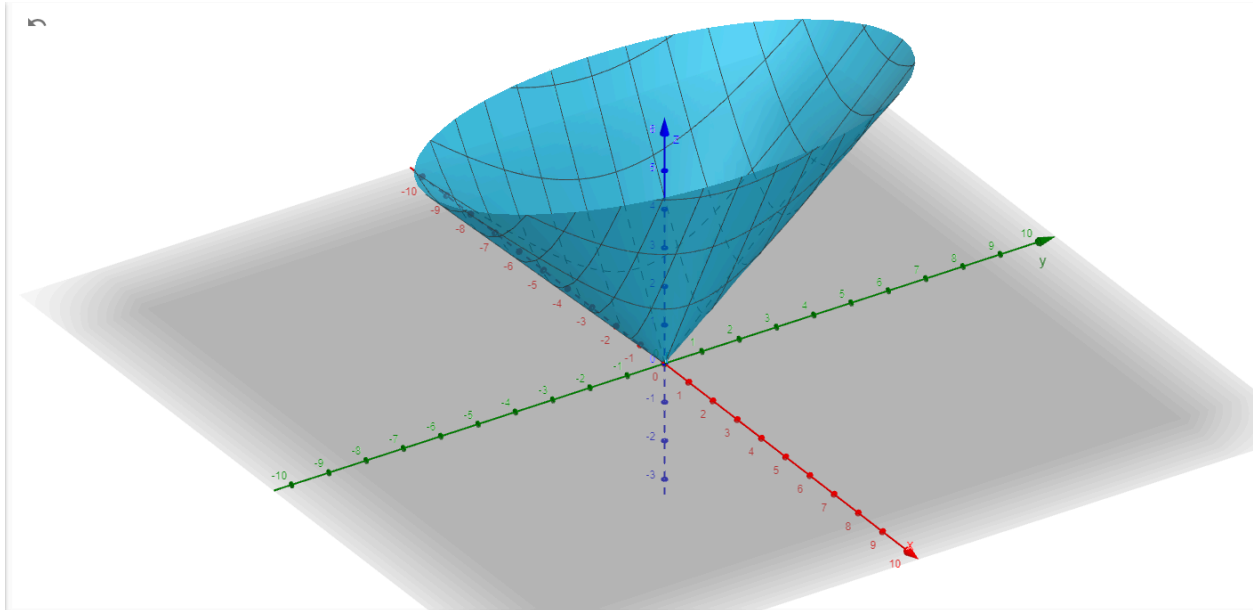
$$f(x,y) = 9 - x^2 - 9y^2$$



Questão 7: $f(x,y)=\sqrt{4x^2+y^2}$



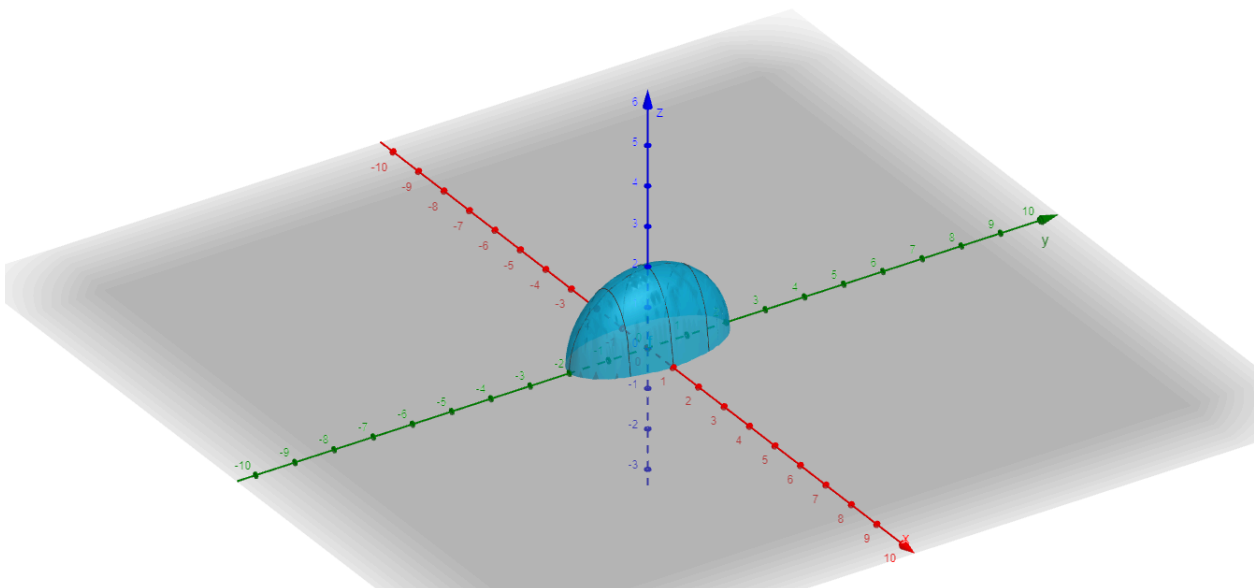
$$f(x,y) = \sqrt{4x^2 + y^2}$$



Questão 8: $f(x,y)=\sqrt{4-4x^2-y^2}$

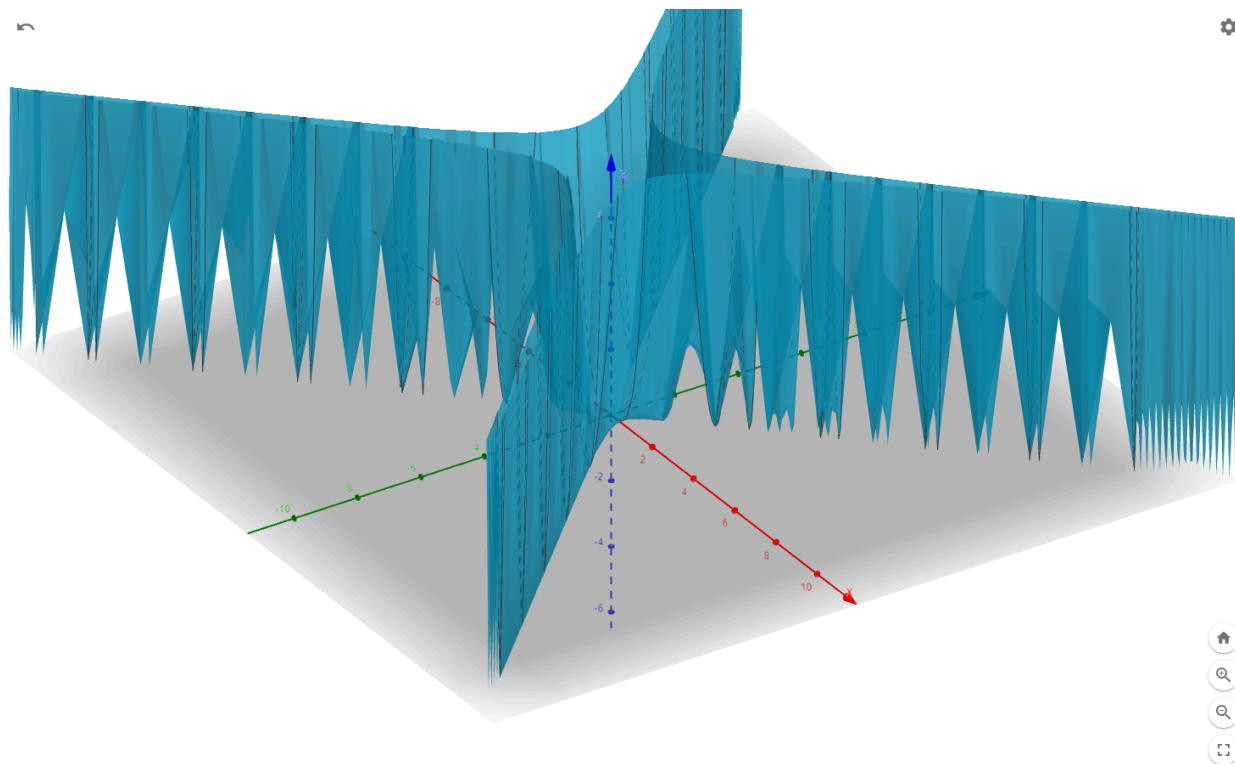


$$f(x,y) = \sqrt{4 - 4x^2 - y^2}$$



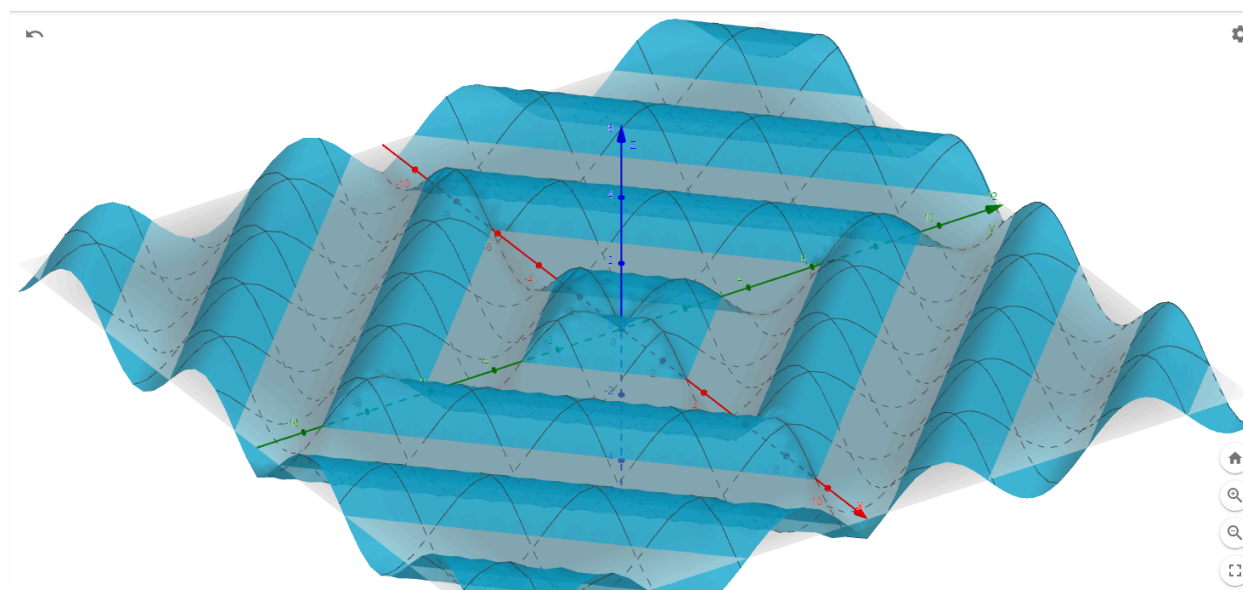
Questão 9: $f(x,y)=(x^2-y^2)^2$

☐ $f(x,y) = (x^2 - y^2)^2$



Questão 10: $f(x,y)=\text{sen}(\text{abs}(x)+\text{abs}(y))$

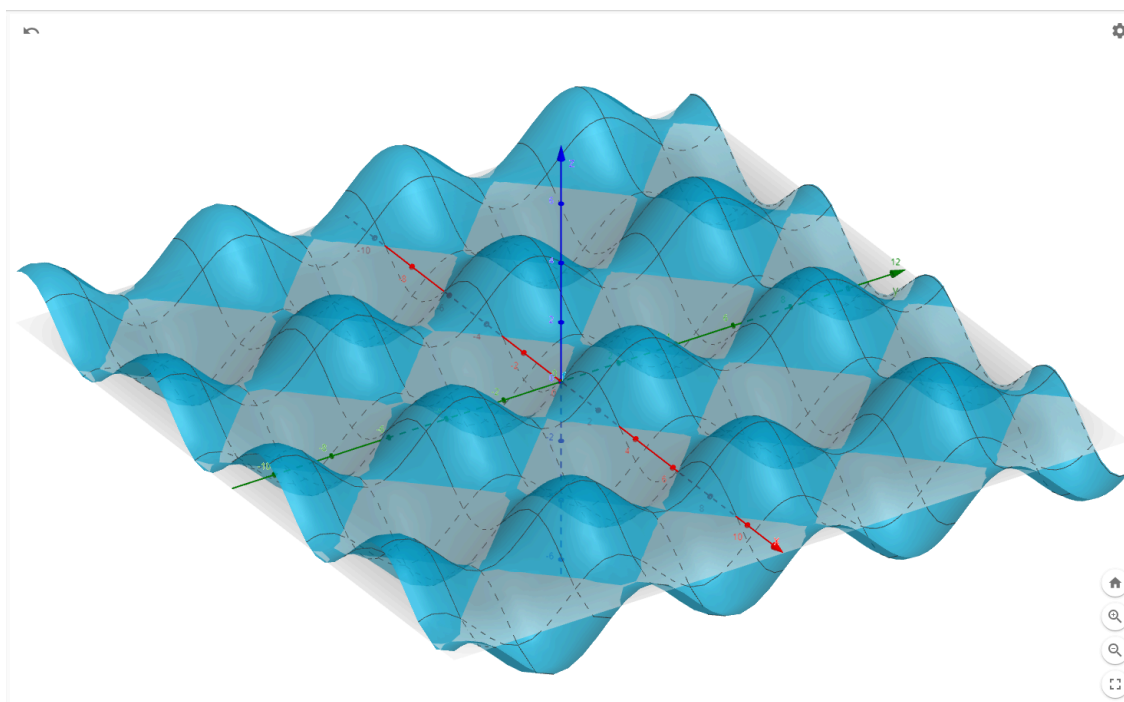
$f(x,y) = \text{sen}(|x| + |y|)$



Questão 11: $f(x,y)=\text{sen}(x)+\text{sen}(y)$



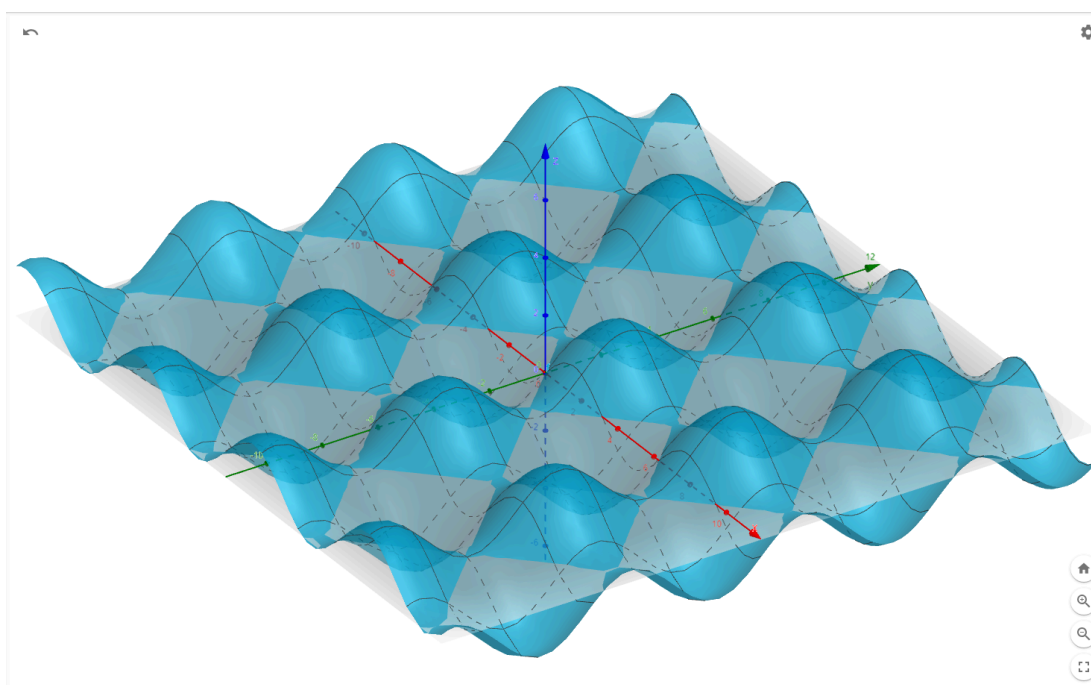
$$f(x,y) = \text{sen}(x) + \text{sen}(y)$$



Questão 12: $f(x,y)=\text{sen}(x)+\text{sen}(y)$

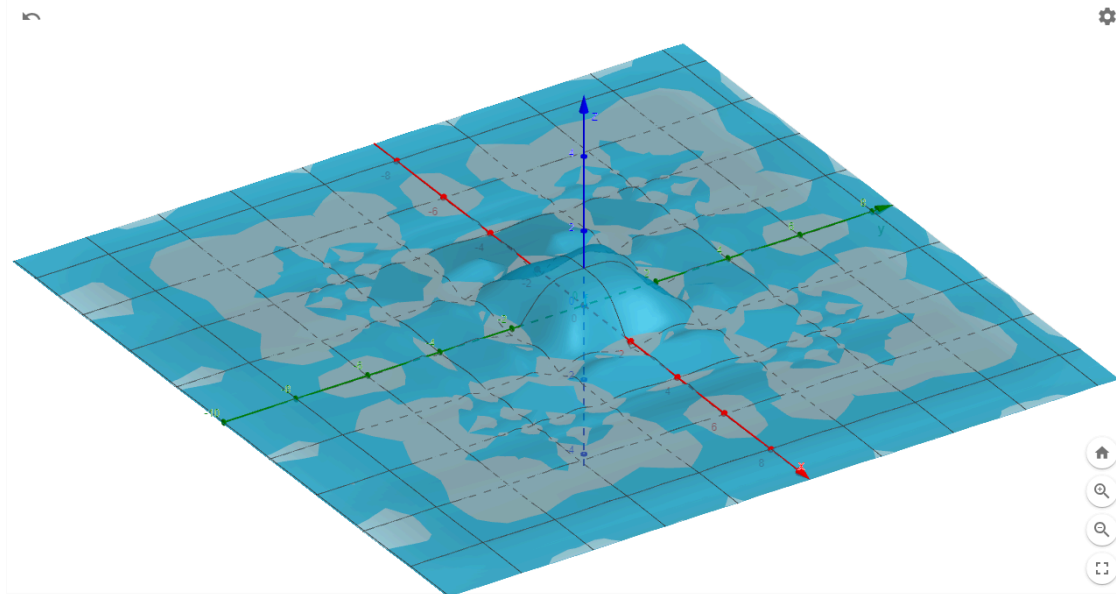


$$f(x,y) = \text{sen}(x) + \text{sen}(y)$$



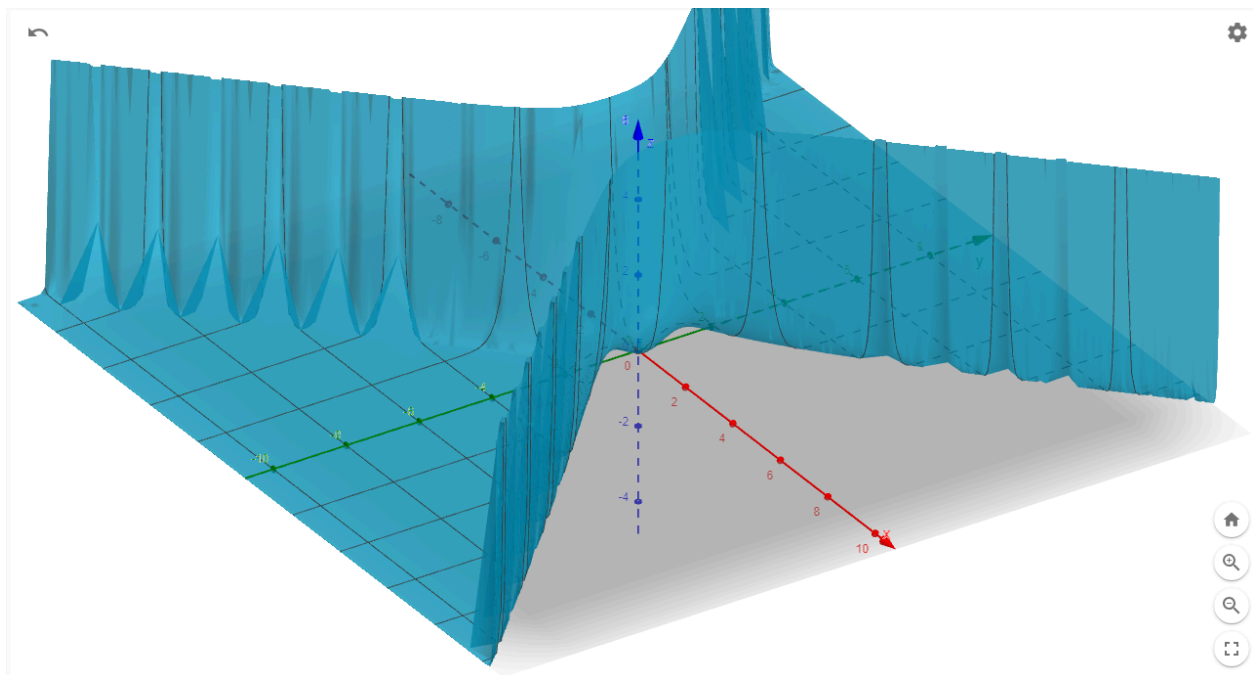
Questão 13: $f(x,y)=((\sin(x^2))+\sin(y^2))/(x^2+y^2))$

☐ $f(x,y) = \frac{\sin(x^2) + \sin(y^2)}{x^2 + y^2}$



Questão 14: $f(x,y)=(x^2+y^2) e^{x^2-y^2}$

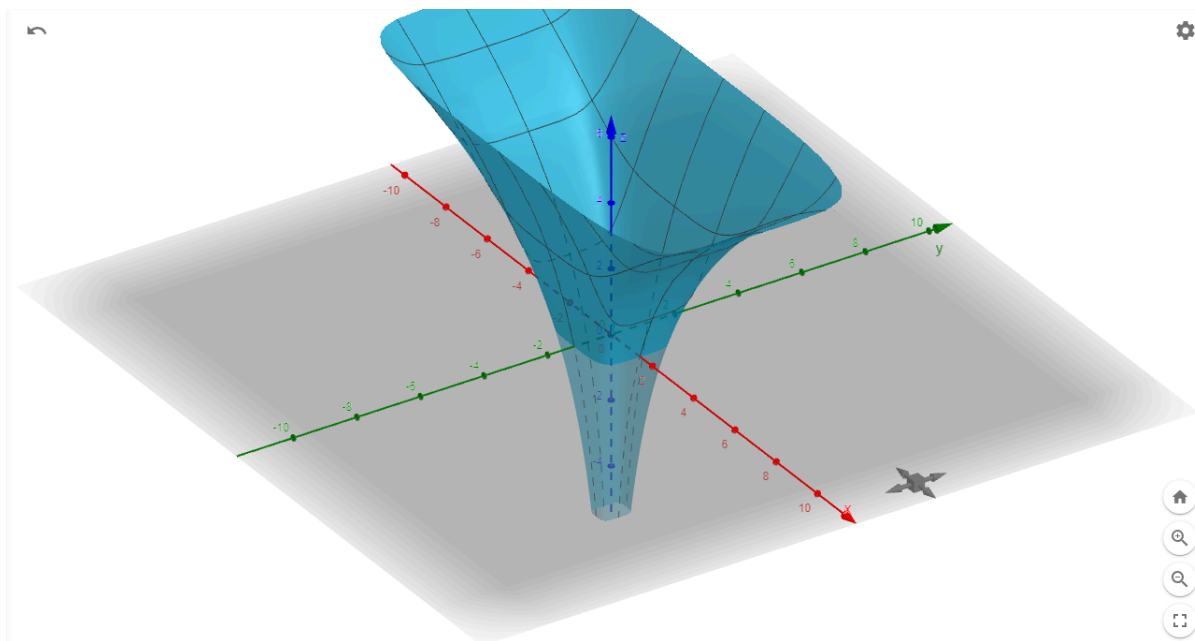
☐ $f(x,y) = (x^2 + y^2) e^{x^2 - y^2}$



Questão 15: $f(x,y)=\ln(2x^4+3y^6)-2$



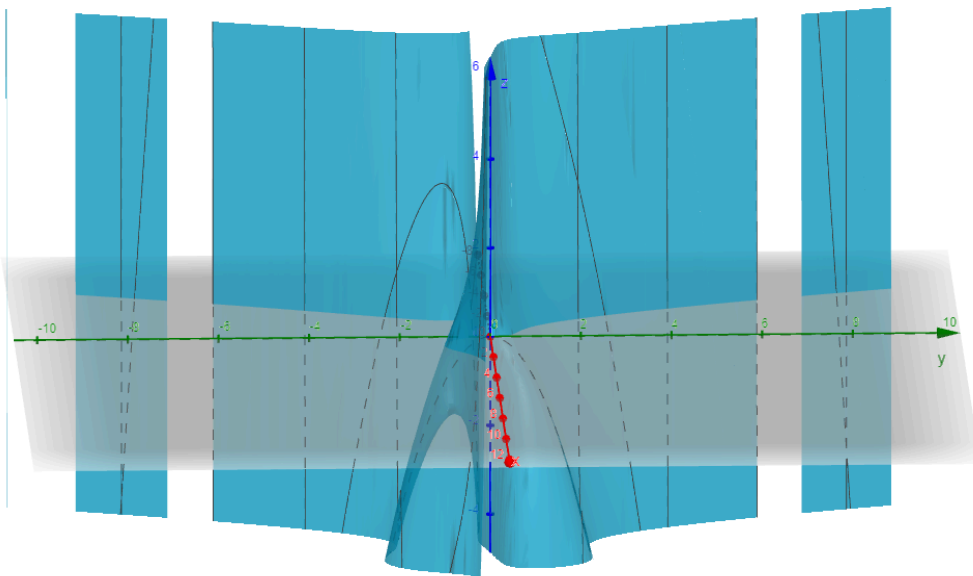
$$f(x,y) = \ln(2x^4 + 3y^6) - 2$$



Questão 16: $f(x,y)=x-x^3-y^2-\frac{x}{y}$

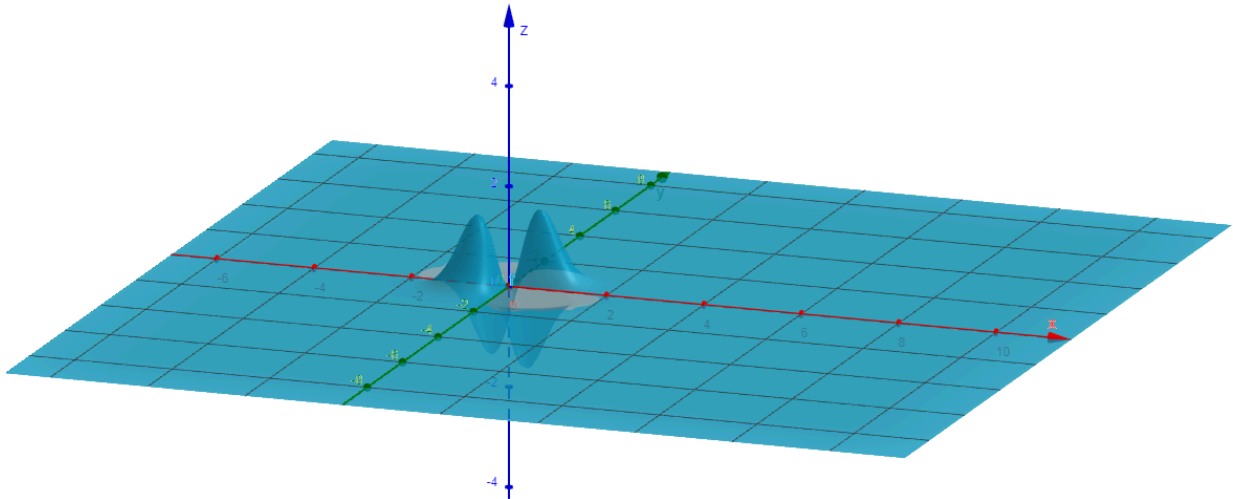


$$f(x,y) = x - x^3 - y^2 - \frac{x}{y}$$



Questão 17: $f(x,y)=20xy e^{(-2x^2-3y^2)}$

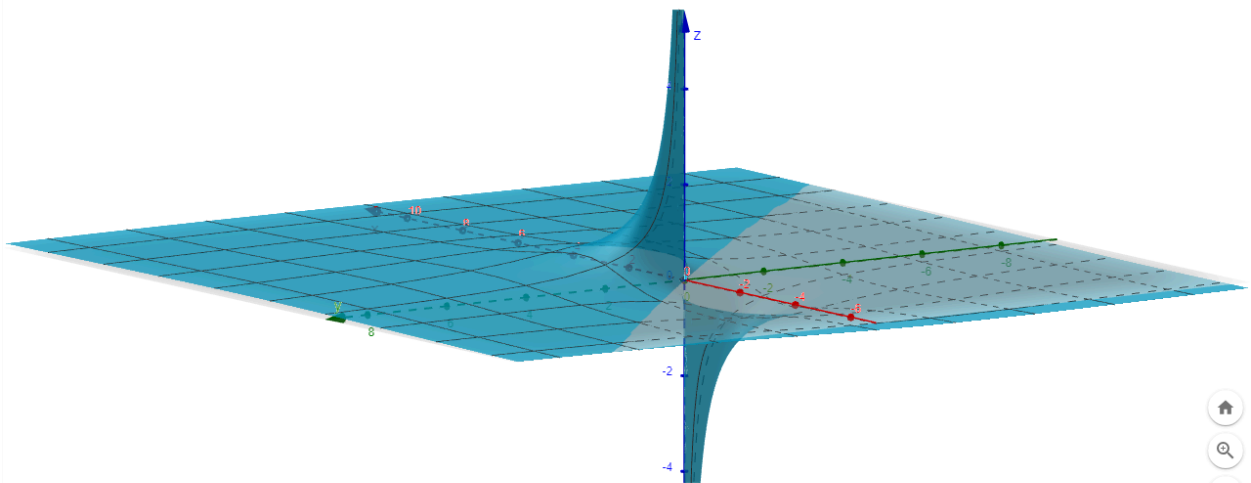
☐ $f(x,y) = 20xy e^{-2x^2-3y^2}$



Questão 18: $f(x,y)=((x+y)/(x^2+y^2))$

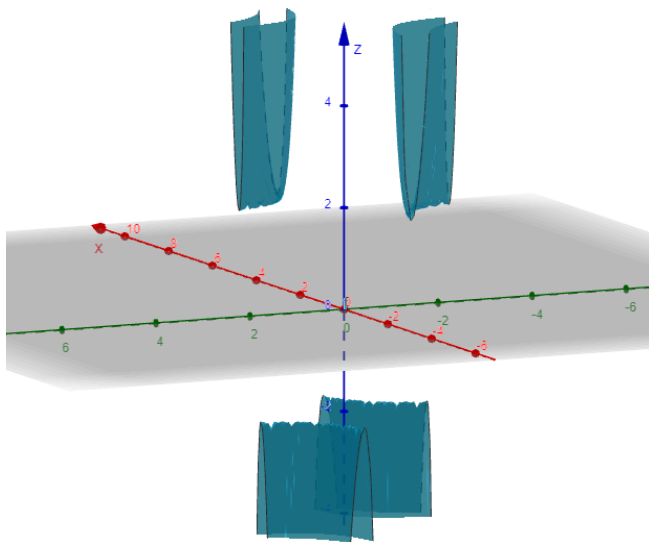
☐ $f(x,y) = \frac{x+y}{x^2+y^2}$

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Questão 19: $f(x,y)=((x^3)/(y^{-3}))+((y^{-3})/(x^3))$

☐ $f(x,y) = \frac{x^3}{y^{-3}} + \frac{y^{-3}}{x^3}$



Questão 20: $f(x,y)=\text{sen}(\cos(((x^2) y^2)/(x^2+y^2))))$

☐ $f(x,y) = \text{sen}\left(\cos\left(\frac{x^2 y^2}{x^2 + y^2}\right)\right)$

