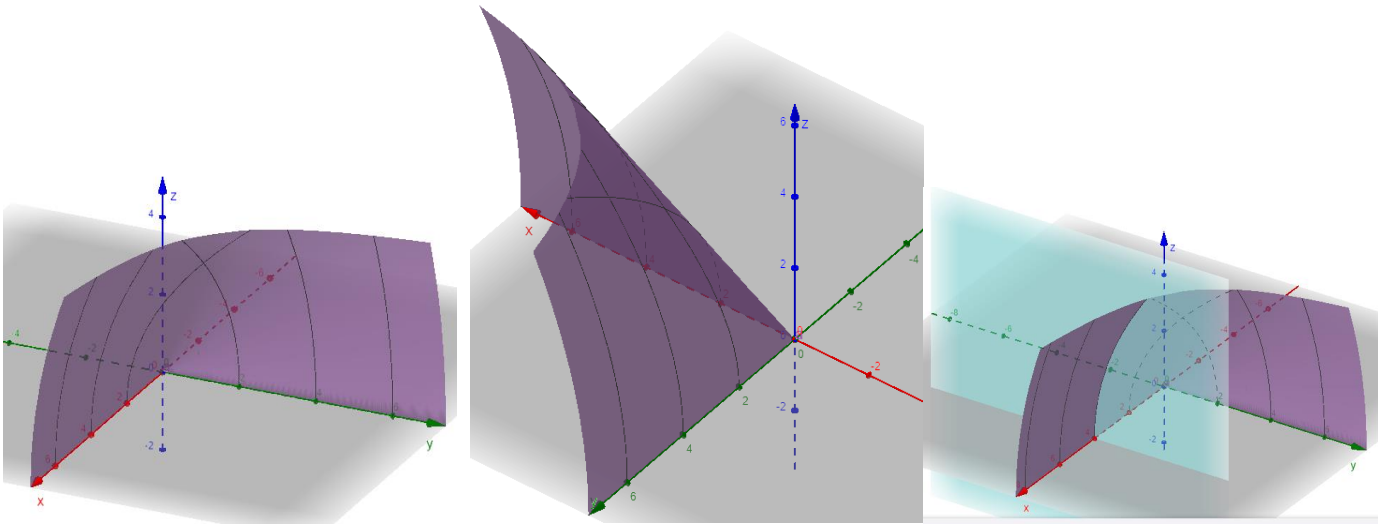
Ecuación: $z = 2\sqrt{x}\sqrt{y}$



Cada gráfico ira con un corte de plano y se especificara la ecuación del plano.

$$z = \frac{1}{\sqrt{x^2 + y^2 - 25}}$$

$$f(x, y) = x^3 + 2x^2y^2 - y^3$$

$$f(x, y) = 8 - x^2 - 2y$$

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

$$f(x, y) = |xy|$$

$$f(x, y) = \frac{1}{4}xy(y^2 - x^2)$$

$$f(x, y) = \cos x + \cos y$$

$$f(x, y) = e^x \operatorname{sen} y$$

$$f(x, y) = \ln(x^2 + y^2)$$

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

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

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

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

7. $f(x, y) = \sqrt{1 - x^2 - y^2}$

8. $f(x, y) = \sqrt{16 - x^2 - 4y^2}$

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

$$f(x, y) = \sqrt{x^2 - 4y^2 + 16}$$

$$f(x, y) = \sqrt{x^2 + y^2 - 1}$$

$$f(x, y) = \sqrt{x^2 + 4y^2 - 16}$$

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

$$f(x, y) = \frac{1}{\sqrt{16 - x^2 - 4y^2}}$$

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

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

$$f(x, y) = \cos^{-1}(x - y)$$

$$f(x, y) = \ln(x^2 + y)$$

$$f(x, y) = \ln(xy - 1)$$

$$f(x, y) = \text{sen}^{-1}(x + y)$$

$$f(x, y) = \sqrt{16 - x^2 - y^2}$$

$$f(x, y) = 6 - 2x + 2y$$

$$f(x, y) = 16 - x^2 - y^2$$

$$f(x, y) = \sqrt{100 - 25x^2 - 4y^2}$$

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

$$f(x, y) = 144 - 9x^2 - 16y^2$$

$$f(x, y) = 4x^2 + 9y^2$$

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