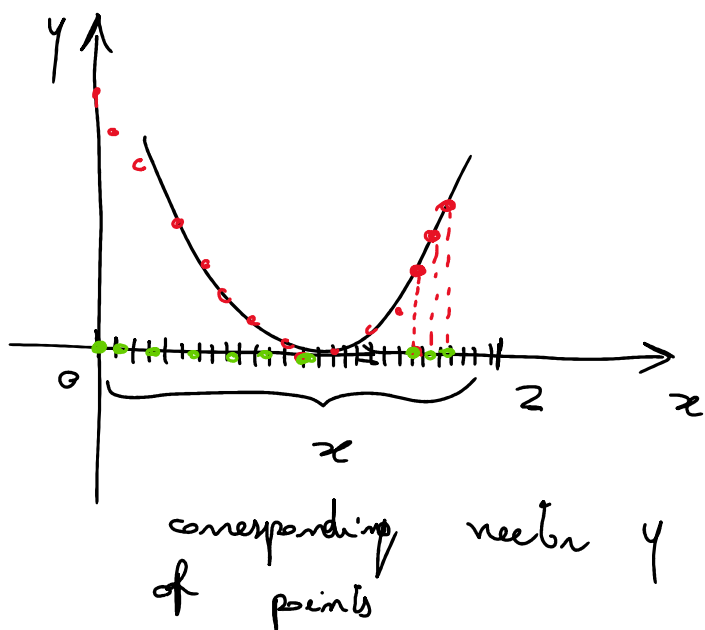


$$y = x^2 - 2x + 1$$

$$[0, 2]$$



$$x \quad \boxed{0 \quad | \quad | \quad | \quad | \quad | \quad | \quad | \quad 2}$$

$$y \quad \boxed{\quad | \quad | \quad | \quad | \quad | \quad | \quad | \quad \quad}$$

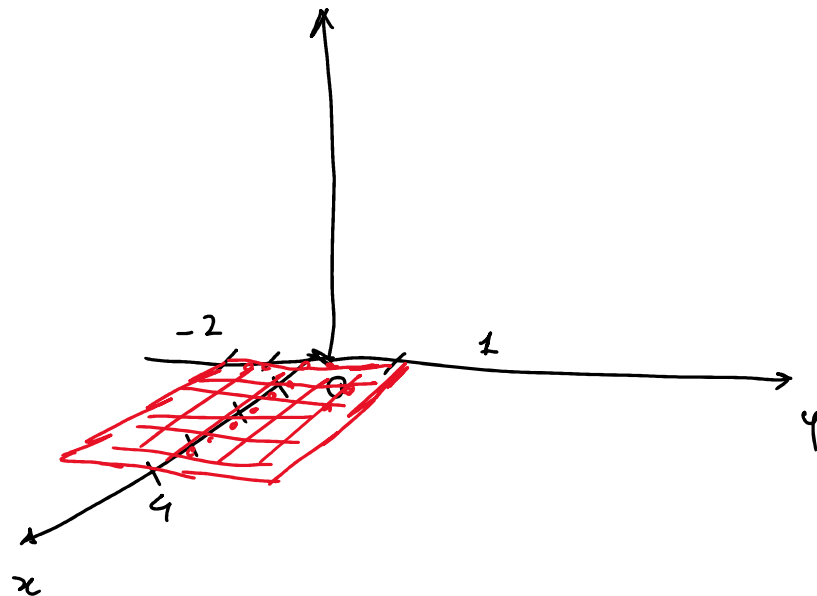
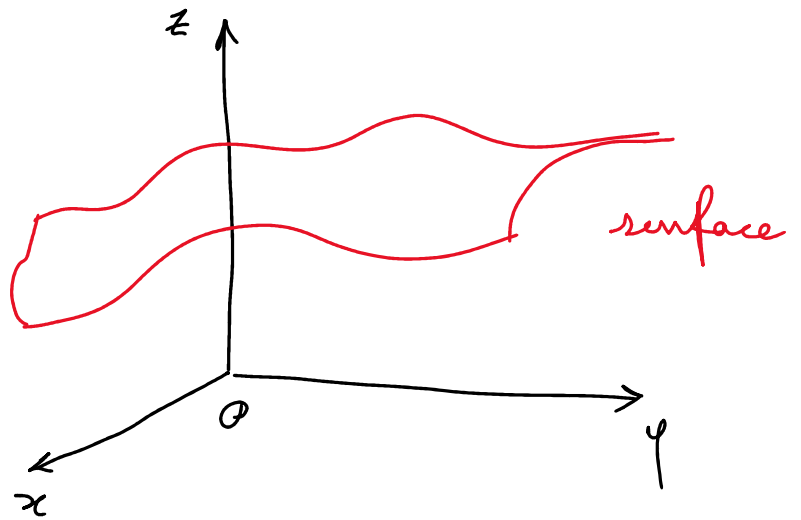
$$y = \sqrt{x^2 - 1}$$

its domain is $(-\infty, -1] \cup [1, +\infty)$

1	2
$y = \cos(x)$	$y = x \sin(x)$
3	4

$$y = f(x)$$

$$z = f(x, y)$$



①

$$z_3 = x_1^2 + x_2^2$$

$$\begin{pmatrix} x_1 & \text{is} & x \\ x_2 & \text{is} & y \\ x_3 & \text{is} & z \end{pmatrix}$$

②

$$x_3 = -x_1^2 - x_2^2$$

$$\textcircled{3} \quad x_3 = x_1^2 - x_2^2$$

$$\textcircled{4} \quad x_3 = (x_1 + x_2)^2$$

$$\textcircled{5} \quad x_3 = - (x_1 + x_2)^2$$