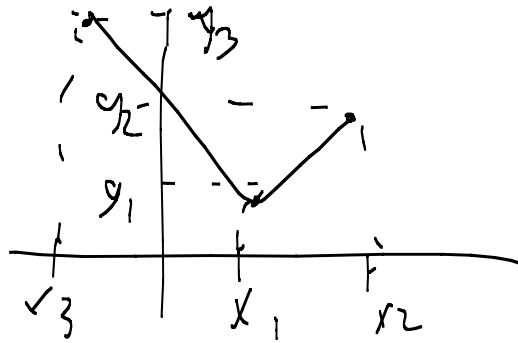


Graph

Plot (x, y)



$$x = \text{piecewise}(0, 1, 100);$$

$$y = \sin(x);$$

Plot (x, y)

$$Z = \{ z \in \mathbb{C} : |z - a| \leq r \} \quad a \in \mathbb{C}$$

$$z = a + r e^{i\theta} \quad \theta \in [0, 2\pi]$$

$$x = \text{Re}(z) = \text{Re}(a) + r \cos \theta$$

$$y = \text{Im}(z) = \text{Im}(a) + r \sin \theta$$