

this is called the polar form or trigonometric form or modulus-amplitude form of Z.

The positive direction of the x-axis i.e., OX is called as the initial line.

Here, $\gamma = [x^2 + y^2] = [z]$ is called the modus of Z, and o is called the argument or amplitude of Z which is denoted by arg (z) or amp (z).

The value of a such that $-\pi$ L a L a is called the principal argument of Z.