

Complex Numbers

Shiv Shankar Dayal

March 20, 2022

Theory

A complex number comprises of two numbers: a real number and an imaginary number. An imaginary number is square root of a negative number, for example, $\sqrt{-1}$, $\sqrt{-2}$, $\sqrt{-3}$. These are called imaginary numbers because they do not exist in real life in the sense that like ordinary numbers they cannot be used for counting. A real number like 1 can also be represented as a complex number having a 0 imaginary part.