

Function	Real Part	Imaginary Part	Amplitude	Complex Conjugate
$\cos\theta + i\sin\theta$				
$\frac{1}{x}$				
$x + 4ix^2$				
$e^{i\theta}$				
e^{-x}				
$\frac{\gamma}{x+i\gamma}$				

Note: Amplitude is $\sqrt{\text{Real}^2 + \text{Imaginary}^2}$

Function

Real part

Imaginary part

Amplitude

Complex conjugate