$i = \sqrt{-1}$	Imaginary unit
$z = a + bi$	Complex number z
$\bar{z} = a - bi$	Complex congugate
$a = Re(a + bi)$	Real part
$b = Im(a + bi)$	Imaginary part
$(a + bi) + (c + di) = (a + c) + (b + d)i$	Addition
$(a + bi) \cdot (c + di) = (ac - bd) + (ad + bc)i$	Multiplication
$\frac{a + bi}{c + di} = \frac{(ac + bd) + (bc - ad)i}{c^2 + d^2}$	Division
$\lvert z \rvert = \sqrt{a^2 + b^2}$	Absolute value, Modulus
$arg(z) = tan^{-1}(b/a) = \theta$	Argument
$z\bar{z} = \lvert z \rvert^2$	Modulus squared
$e^{i\theta} = cos(\theta) + i\,sin(\theta)$	Euler's Formula
$z = \lvert z \rvert[cos(\theta) + i\,sin(\theta)]$	Polar form I
$z = \lvert z \rvert e^{i\theta}$	Polar form II