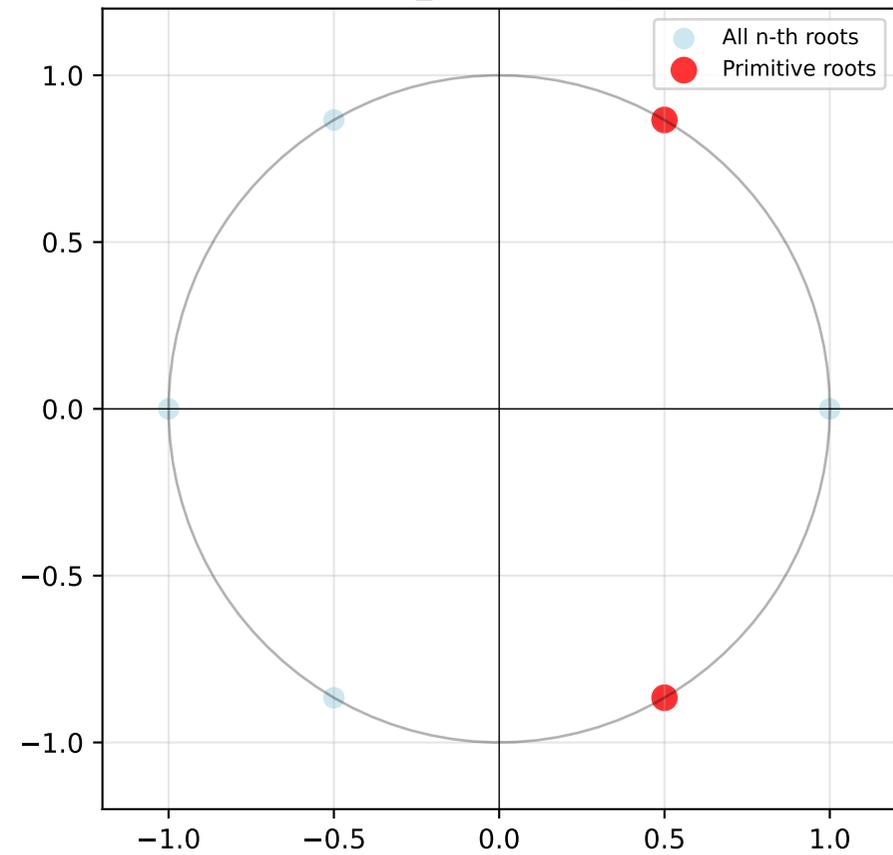
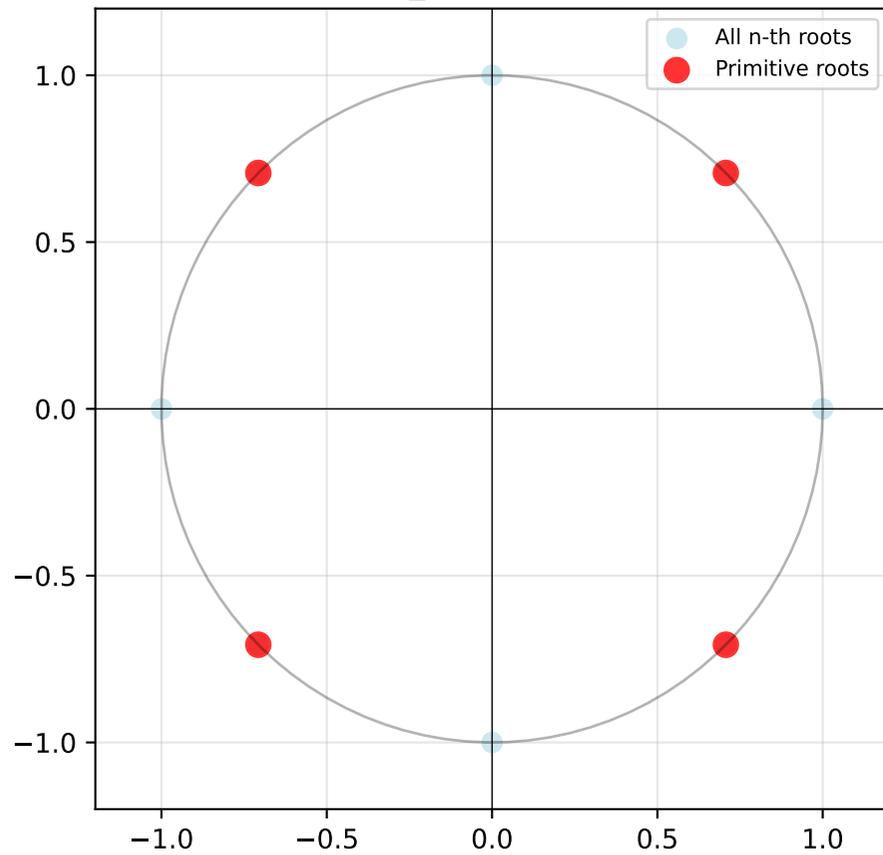


# Roots of Cyclotomic Polynomials on the Unit Circle

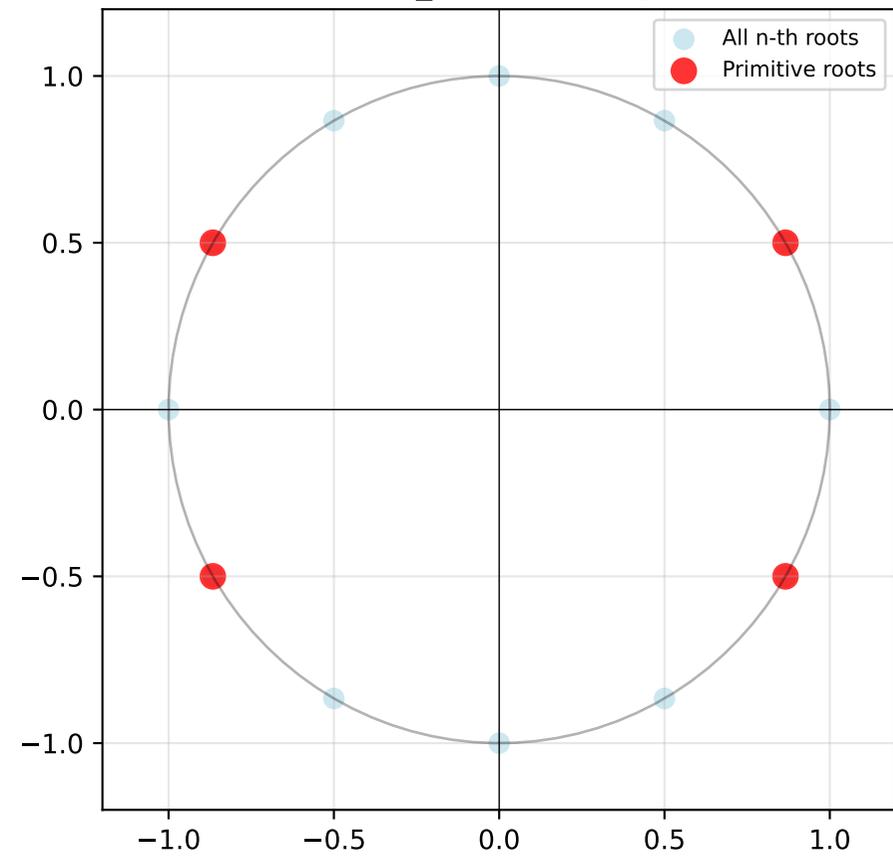
$n = 6$ :  $\Phi_6(x)$  has degree 2



$n = 8$ :  $\Phi_8(x)$  has degree 4



$n = 12$ :  $\Phi_{12}(x)$  has degree 4



$n = 16$ :  $\Phi_{16}(x)$  has degree 8

