

Math 295 - Fall 2020
Objectives for week 1

Objectives for the week:

A1- identify and apply the rules of arithmetic for complex numbers

A2- convert from polar form to rectangular form and back

A3- prove and use properties of the function $e^{i\phi}$

A4- give and use roots of unity

A5- prove and use properties of the conjugate

A6- compute the multiplicative inverse of a complex number

A7- prove and use the triangle inequality and its variants