

Math 295 - Fall 2020  
Objectives for week 3

Objectives for the week:

- B1- use the limit definition of complex derivative and/or the derivative rules to compute complex derivatives or show that complex derivatives do not exist
- B2- use the definitions of differentiable, holomorphic, and entire correctly
- B3- the Cauchy-Riemann equations, their converse, and their applications
- B4- use the definitions of conformal maps and harmonic functions
- B5- apply the theorem on functions with identically vanishing complex derivative