

HW 1, Due Friday Jan 27

- 1) Show that the function $f: \mathbb{C} \setminus \{0\} \rightarrow \mathbb{C}$ defined by $f(z) = \frac{1}{z}$ is continuous.
- 2) Rudin page 165, problem 1
- 3) Rudin page 165, problem 3