Complex Variables - HW 2

This second HW is worth 20 points and is due this Thursday, September 27.

1. This is problem 20 in chapter 2 of our text. Show that if $f : G \to \mathbb{C}$ is holomorphic with $\overline{f(z)}$ also holomorphic, then f is constant on G.

2. Suppose that $f : \mathbb{C} \to \mathbb{C}$ is entire. Show that f is everywhere continuous.

Requirements

- Your solution must be typed in LaTeX .
- You may discuss the problem with one another.