Exercise 1. holomorphic functions

- a) Let $f:\mathbb{C}^n\to\mathbb{C}$ be a holomorphic function. The functions $\Re(f)$ and $\Im(f)$ are harmonic
- b) Let $U\subset\mathbb{C}^n$ be a connected open subset. Every non-constant harmonic function $f:U\to\mathbb{R}$ has no extremum on U