

## Exercises

E19.1 [1NQ] Let  $I = (0, 1)$ , find an example of an analytic function  $f : I \rightarrow \mathbb{R}$  not identically zero, but such that  $A = \{x \in I : f(x) = 0\}$  has an accumulation point in  $\mathbb{R}$ . Compare this example with Prop. 6.8.4 in the notes [3]; and with the example [1DZ].

**Solution 1.** [1NR]