

## Exercises

E16.2 [1CG] Suppose that  $f : \mathbb{R} \rightarrow \mathbb{R}$  be differentiable, with  $f' = f$ : prove, in an elementary way, that that there exists  $\lambda \in \mathbb{R}$  s.t.  $f(x) = \lambda e^x$ .

**Solution 1.** [1CH]