

Problem 1 (due Monday, Feb. 17)

- a) Is there a one-to one and onto function $f: (0,1) \rightarrow (0,1)$ such that $f' = f^{-1}$, i.e. the derivative of f equals the inverse of f ?
- b) Is there a one-to one and onto function $f: (0,\infty) \rightarrow (0,\infty)$ such that $f' = f^{-1}$, i.e. the derivative of f equals the inverse of f ?

This problem was solved by only one participant: Yuqiao Huang. The submitted solution has been essentially the same as our “in-house” solution. To see the solution and some related open questions click the following link [Solution](#)

From:

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Last update: **2020/02/18 21:10**

