LEWIS AND CLARK COLLEGE
Department of Mathematical Sciences

PUZZLE OF THE WEEK (3/9/2017 - 3/15/2017)

Find, with proof, all continuously differentiable functions $f(x)$ of real variable x for which $f(0) = 0$ and

$$|f'(x)| \leq |f(x)| \quad \text{for all real} \quad x.$$

- The only correct solutions of the Puzzle of the Week #7 were submitted by Leo DiGiosia, David Lovitz and Fisher Ng. Congratulations!

- One possible complete solution of the Puzzle #7 is posted online. (Look for the Puzzle of the Week announcements on the departmental web-page.)

- Solvers should include their full name and some kind of a contact information. Solutions should be submitted to **Iva Stavrov** in BoDine 305; email submissions are encouraged (istavrov at lclark). Solutions should be received by the end of the day on **March 15th, 2017**.