# LEWIS AND CLARK COLLEGE Department of Mathematical Sciences 

PUZZLE OF THE WEEK (9/21/2016-9/27/2016)

Let $f(x)$ be some continuously differentiable function of real variable with $f(0)=f(1)=0$. Does there have to exist some real number $c$ between 0 and 1 such that $f^{\prime}(c)+f(c)=0$ ? Justify your claim.

- Correct solutions of the Puzzle of the Week \#3 were submitted by David Lovitz, Fisher Ng, and Sean Richardson. Congratulations!
- One possible solution of the Puzzle $\# 3$ is posted online. (Look for the Puzzle of the Week announcements on the departmental web-page.)
- Solvers of this week's puzzle should include their name, address, and status at the College. 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 Tuesday, September 27th 2016.

