LEWIS AND CLARK COLLEGE
Department of Mathematical Sciences

PUZZLE OF THE WEEK (3/16/2017 - 3/22/2017)

Find, with proof, the value of the following sum.

$$\frac{1}{1 \cdot 2} - \frac{1}{2 \cdot 3} + \frac{1}{3 \cdot 4} - \frac{1}{4 \cdot 5} + \frac{1}{5 \cdot 6} - \ldots$$

- Correct answers to Puzzle of the Week #8 were submitted by Leo DiGiosia and David Lovitz. The only complete solution was submitted by a non-LC student, Surajit Rajagopal.

- One possible complete solution of the Puzzle #8 is posted online. (Look for the Puzzle of the Week announcements on the departmental webpage.)

- 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 22nd, 2017**.