



LEWIS AND CLARK COLLEGE

Department of Mathematical Sciences

PUZZLE OF THE WEEK (2/17/2016 - 2/23/2016)

One vertex of a rectangle is found at a point A . Two other vertices, not belonging to the same side, lie on two given lines which form a right angle at a point O . Where is the fourth vertex of the rectangle located? Justify your claim. (You may assume that A is not on the two given lines, and that these lines and the point A lie in the same plane.)

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- Correct solutions of the Puzzle of the Week #4 were submitted by Toby Aldape, Michael Daellenbach and Brian Gentry. Congratulations!
 - One possible solution of the Puzzle #4 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 **Tuesday, February 23rd 2016**.