



## LEWIS AND CLARK COLLEGE

Department of Mathematical Sciences

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### PUZZLE OF THE WEEK (3/9/2016 - 3/15/2016)

Find, with proof, all integer solutions  $(x, y, u, v)$  of the equation

$$x^2 + y^2 = 3(u^2 + v^2).$$

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- The only correct solution of the Puzzle of the Week #7 was submitted by Toby Aldape. Congratulations!
  - One possible 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 **Tuesday, March 15th 2016**.