

# Cal Poly Department of Mathematics

## Puzzle of the Week

Oct 8 – 21, 2015

A right triangle has a hypotenuse of length  $h$ , and inscribed circle of radius  $r$ . What is its area?

*Solutions should be submitted to Morgan Sherman:*

*Dept. of Mathematics, Cal Poly  
Email: sherman1 -AT- calpoly.edu  
Office: bldg 25 room 329*

*before the due date above. Those with correct and complete solutions will have their names listed on the puzzle's web site (see below) as well as in the next email announcement. Anybody associated to Cal Poly is welcome to make a submission.*

<http://www.calpoly.edu/~sherman1/puzzleoftheweek>