

I U P U I  
MATH CLUB TEASER #29

October 2, 2009  
(due October 9, 2009)

The enologist Professor Zerep has a 10 liter barrel full of wine, and wants to split it into two equal parts. The Professor has a 7 liter carafe and a 3 liter bottle.

Can you help the Professor in this task without spilling (or drinking)?

The IUPUI Math Club invites everybody to submit solutions to its weekly recreational mathematics problem. Interested individuals and teams of up to four participants must submit a cover sheet (available at [jagmath.usg.iupui.edu](http://jagmath.usg.iupui.edu)) together with their written solution. At the end of the semester, every IUPUI student that sent a correct solution will receive a certificate of merit. Prizes will be distributed among the IUPUI undergraduate teams that submit the most correct solutions.

Solutions are due one week after each problem is posted, and should be faxed to (317) 274-3460, dropped off in person at LD 270, or sent by campus or U.S. mail to:

**Math Club Teaser**  
Dept. of Mathematical Sciences  
IUPUI, LD-270  
402 N. Blackford Street  
Indianapolis, IN 46202