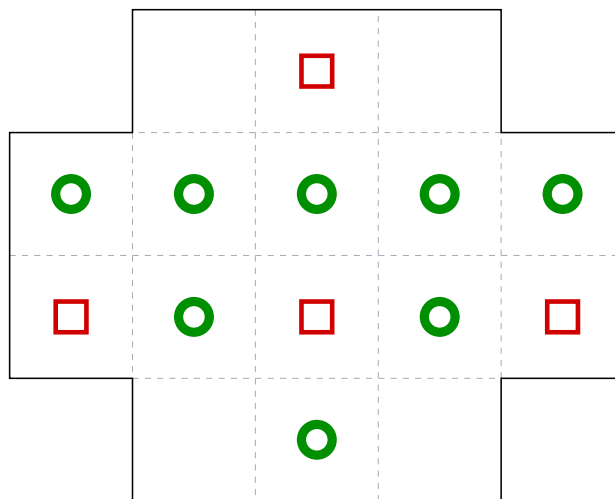


I U P U I  
MATH CLUB TEASER #32

October 23, 2009  
(due October 30, 2009)

The spectrum pendants are a very popular item manufactured by Newton Novelties. They all have the same shape, and have one square and two round crystals which can be placed anywhere on the pendant. The crystals show on both sides.

Cut the plate below to form four pendants with the above specifications.



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