

I U P U I
MATH CLUB TEASER #39

March 5, 2010
(due March 12, 2010)

Seven clowns are about to engage in a cream pie battle: When a trained chimpanzee toots a trumpet, each one of the clowns will throw a pie to the clown that is closest (all distances are different). Show that regardless of the initial distance configuration, there will be a surviving clown; that is, a clown that is not hit by a pie.

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) 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
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