

UT MATH CLUB MONTHLY PROBLEM

ABSTRACT. This document outlines the rules and submission guidelines for the monthly problem competition sponsored by the UT Undergraduate Math Club. Please read this carefully before attempting to submit a solution.

1. PURPOSE OF THE MONTHLY PROBLEM

The goal of the Math Club in establishing the Monthly Problem Contest is to promote interest in mathematics among undergraduates by posing challenging and interesting problems and also to help foster community among undergraduate mathematics students at UT. The problems posed are selected by graduate students from a variety of sources. In order to encourage participation the UT Mathematics Department has generously agreed to award a prize of \$25 each month to the best solution.

Each month the Monthly Problem Contest will include two separate puzzles. One puzzle will be an olympiad style problem and the other will be a brain teaser type of problem. The puzzles are independent. Hence you may submit a solution for either one or both of the puzzles. The winning solution to each puzzle earns a prize of \$25. While you (or your team) are encouraged to submit solutions to both puzzles, any given team can win at most \$25.

2. CRITERIA FOR EVALUATION

Submissions will be evaluated based on correctness of the solution, elegance of the argument, and clarity of the exposition, as determined by the particular graduate students over-seeing the Monthly Problem. It will be our goal to select the best written of all the correct solutions submitted for the award. It may be the case that more than one well-written, correct solution is submitted, but only one prize is awarded. Occasionally it may happen that no solution submitted is correct, or that no solution submitted is eligible for the award. In this case no prize will be awarded.

3. SUBMISSION GUIDELINES

In order to submit a solution for evaluation, e-mail your solution as an attachment to monthly_problem@math.utexas.edu in one of the following formats: `.txt`, `.pdf`, `.dvi`, `.jpg`. Include your full name in the body of the e-mail as well as in the header of your solution. Joint submissions will be accepted, but one member of the group must be chosen as the recipient of the prize in the event that the joint submission receives the award.