

# WEEKLY PROBLEM COMPETITION

Organized by the Department of Applied Mathematics and IIT SIAM Student Chapter

**Purpose:** Undergraduate Students at IIT are able to practice and compete in an intra-campus mathematics competition, and win the competition, by being the first undergraduate student to correctly solve the **Weekly Problem**.

## Qualifications:

- undergraduate student at IIT
- a desire to solve mathematical problems

## Difficulty of Problems:

The problems are expected to be quite challenging, however, almost all problems will only require knowledge up to Calculus. If you have not taken any classes above Calculus, you are not at a disadvantage in this contest.

## Rules:

1. One problem will be placed on the website [www.math.iit.edu/~weeklyproblem](http://www.math.iit.edu/~weeklyproblem) on every Friday evening at 5:00pm.
2. Once posted, undergraduate students at IIT can then independently begin to work on the problem(s). For this competition, no collaboration is allowed between students, and you are not allowed to discuss the problem with anyone else;
3. Each student will only be able to submit one solution a week. Submissions must be made by 5:00pm on the following Thursday.
4. Students **must submit** their solution **electronically** by email to [weeklyproblem@math.iit.edu](mailto:weeklyproblem@math.iit.edu). Any other methods of submitting are NOT accepted. You may use your preferable software to type formulas, however, if this is not MSWord or LaTeX, please convert the solution into PDF. Handwritten solutions will NOT be accepted. Problems that do not contain formulas, or just few, may be typed even in Notepad.
5. The winner will be **the first** undergraduate student at IIT **to submit a COMPLETE and correct** answer. No partial credit will be given. The winner will qualify for a \$15 prize. All students who submit a correct solution, regardless of the time in which they submitted the correct solution, will be acknowledged at a later time.
6. The name of the students who submitted the correct solution will be announced the following Friday after publishing the problem. However, the winner will NOT be announced, and only the time when the first right answer was submitted will be published.
7. If during the week there is no student who is able to submit a correct solution, then the next week we place a new problem and the prize for that problem will be \$15.
8. The contest will last until April 2010. The Department of Applied Mathematics and IIT SIAM Student Chapter will announce all winners, as well as, distribute the prizes during "Remembering Karl Menger 2010" event.
9. **NEW: The problem will be posted on Department of Applied mathematics Bulletin Board (outside of E1 208). Also, the solution to the problem will be posted on the Bulletin Board next Thursday after the publishing of the problem.**

**Have fun, and enjoy Mathematics!**