

## Mechanics of the 12<sup>th</sup> Annual High School Math Contest

(Any changes will be made clear at the contest)

- Registration will begin at 9 am on March 1, 2008.
- Opening remarks will begin in Chudd Auditorium at 9:45 am.
- The competition will take place from 10 am to noon.
- Teams can attempt questions in ten different mathematical areas:
  - Algebra
  - Calendar
  - Counting
  - Geometry
  - Graph Theory
  - History of Math
  - Logic
  - Number Theory
  - Probability
  - Trigonometry
- Each mathematical area is in a specially designated room.
- Each team can accommodate only four teams at a time.
- In each room a team has a choice of answering at most one of three questions worth 25, 50, and 100 points based on difficulty.
- After a team leaves one room, it may not re-enter that room nor attempt any problem from that room for the remainder of the competition.
- A team must stay together throughout the entire competition.
- No outside help or collaboration with other teams allowed.
- The proctor in each room is there only to administer the problems and to enforce the rules, and therefore will not assist the teams concerning interpretation of the problems.
- No answers will be accepted after noon.
- **NO CALCULATORS ALLOWED**
- Complimentary lunch and a concluding ceremony will be held in Chudd Auditorium at 12:15 pm.

### Scoring

- For each correct answer, the team receives 25, 50, or 100 points based on the difficulty of the problem.
- No credit will be given for work; points will only be given for a correct final answer.
- Teams will be ranked according to point score, and the teams with the three greatest scores will receive prizes.
- In the event of a tie between teams, the team that has answered the most number of 100 point problems correctly will be declared the winner. If necessary, the number of 50 point problems, and then 25 point problems, problems answered correctly will be considered. A tie breaker problem will be used in the event that all points are equal.