

# ANNUAL ACADEMIC COMPETITION IN MATHEMATICS

## MATH BOWL

### COMPETITION RULES

**Sponsor:** Department of Mathematical Sciences

**Number of Participants:** Maximum 80 teams of two – five students each (grades 7 – 12)

**Nature of Contest:** Teams receive two sets of problems which must be solved using mathematical skills, concepts, and problem-solving strategies. Each team has a fixed amount of time to study each set, devise mathematical solutions, and prepare written statements for the judges.

**Judging:** The panel of judges will consider the efficiency, quality, and creativity of the solutions. There are three levels of competition. Each team will select the level at which it wishes to compete (see below). Test-and-answers packets will be submitted to the judges for grading.

**Resources Needed:** Everything will be provided except calculators. Allowable graphing calculators are the TI-81, 82, 83, and 85. (Those with symbolic manipulation, such as the TI-89 or the TI-92, are not permitted.)

**Schedule for the day:**

- Registration - 8 am
- Opening Ceremony - 8:55 am
- Part I - begins at 9:30 am
- Break
- Part II - begins at 10:50 am
- Lunch - noon
- Awards and Closing Ceremony - 1 pm

|                |            |                           |
|----------------|------------|---------------------------|
| <b>Levels:</b> | Level I:   | Calculus                  |
|                | Level II:  | Algebra II and Geometry   |
|                | Level III: | Algebra I and Pre-Algebra |