

CALCULATOR TEAM - EVENT SUMMARY

Team Make-up: maximum 5 students;

1 freshman; 1 freshman or sophomore; 1 freshman, sophomore, or junior; 2 students from any grade

Questions: 20

Time: 20 minutes

Format: Team members work together and submit one answer sheet

All battery operated calculators permitted, including CAS-type; students may use more than one calculator

Answers must be legible

Answers must be **rounded to 4 significant digits** unless otherwise indicated in the question. Answers must be simplified and in the specific form if so stated. Except where noted, angles are in radians.

Answers must be in standard notation. **Do not use scientific notation unless specified in the question** Scoring:

Correct answers are worth 5 points each; Maximum 100 points possible per team

GENERAL PROCTOR INSTRUCTIONS

The proctors are responsible for knowing all rules for their competition.

Proctors must be alert to the entire room. Proctors must not:

leave the room unless relieved,

discuss answers with each other,

distract any student unnecessarily, including watching a particular student working out the problem.

If there is an issue (cheating, cell phone use, etc) where a paper or papers should be disqualified, the proctor should make a note of the reason and the time the incident occurred, as well as informing all students involved of the decision. If another proctor is in the room, verify the situation with the other proctor. The proctor's name, school and cell phone number should be written on the top of the paper(s) involved and those papers should be returned separately to contest headquarters. Please be sure of the behavior leading to a disqualification before making this decision.

SPECIFIC RULES FOR CALCULATOR TEAM COMPETITION

Proctors will read the prepared statement.

Proctors will pass out scratch paper and one answer sheet to each team. Students must be quiet from this point on.

Students will print their school name on the answer sheet.

Proctors will pass out the questions (one set to each student) face down.

When all is ready, the head proctor will tell students to begin and start timing.

Proctors may not answer questions regarding interpretation of questions. If a student has an illegible copy of a test, the proctor may provide a new, clear copy.

The head proctor will announce when 3 minutes remain, when 1 minute remains, and when 15 seconds remain.

When the head proctor announces "Stop" students must stop writing and immediately hold the team answer sheet high in the air. Any student who writes an answer after the command to stop may have his/her team's paper disqualified.

When proctors have collected all answer sheets, the head proctor will distribute the correct answers and dismiss the students. Students should leave the room immediately.

Proctors will take student answer sheets to the Grading Room.

PREPARED STATEMENT FOR CALCULATOR TEAM COMPETITION - STATE

Proctor: Please read this statement aloud when students are seated at the beginning of the official starting time for the competition. You may admit latecomers, but each team must turn in their answer sheets at the signal for everyone to stop.

This is the Calculator Team competition. You should have nothing on your desk except pens, pencils, erasers, rulers, protractors, compasses and calculators. Please clear your desk of all other items. The time limit for this event is 20 minutes. I will give warnings at 3 minutes, at 1 minute and at 15 seconds. Do not begin until I give the signal. When I say "STOP" put down your pencil or pen and immediately hold your answer sheet high in the air.

If you want a record of your answers, you may write them on your question sheet. You will receive a copy of the correct answers when you leave this room.

All answers must be written legibly in the correct place on the answer sheet. Unless otherwise specified in the problem, give all answers correct to four significant digits. Except where noted, angles are in radians. Do not give your answer in scientific notation unless specified in the problem.

I am not permitted to answer questions about interpretation of the questions. You should ask for a new copy of a test if the copy you have is not legible or is the incorrect test.

Please turn off and put away all cell phones, pagers, PDAs, watches and other transmitting devices or items with audible tones now.

(Allow students time to be sure that these items are turned off and put away.)

You may talk with your own team members, but do not try to eavesdrop on other teams.

We will now distribute scratch paper and one answer sheet to each team. Please print your school name on the answer sheet. Please be sure to use your full school name – papers with only school abbreviations will be disqualified.

We will now distribute copies of the questions. Keep the question sheets face down until you are told to begin.
(Distribute one copy of the questions to each team member.)

(After students have written their names on their answer sheets, announce "You have 20 minutes. BEGIN" and start timing the event)

(After 17 minutes (when 3 minutes are remaining) announce "3 minutes.")

After 19 minutes (when 1 minute is remaining) announce "1 minute."

After 19 minutes, 45 seconds (when 15 seconds are remaining) announce "15 seconds."

After 20 minutes, announce "STOP. Put all pens and pencils down and hold your answer sheet high in the air." Proctors should then collect the answer sheets.)

(When all answer sheets have been collected announce "You may keep your copy of the questions. We will now distribute a copy of the correct answers." Distribute copies of correct answers. Students may then leave the room.)