



MESA Day Contest Rules 2011-2012

Solo Math

Grade Level: Senior High School, grades 9-12

Type of Event: Individual by course level

Number of Teams: No limit for Center preliminaries
3 student delegates per course per Center for regional events

Sponsor:

Event Overview: Students individually take a math exam that measures competency in the mathematical concepts, respective to their current math course, from the *Mathematics Framework for California Public Schools* (California Department of Education, 2006).

Course Levels:	Level	For students currently enrolled in...
	1	Algebra I
	2	Geometry
	3	Algebra II or Algebra II/Trigonometry
	4	Math Analysis, Pre-Calculus or Trigonometry/Math Analysis
	5	Calculus I

Categories: **For regional events only:**

- **Delegate:** A student who qualified to represent his or her Center in this event
- **At-Large:** A student who is representing his or her Center in another event, but did not qualify to advance as a delegate in Solo Math

Materials: The student must provide their own non-QWERTY calculator. (See Rule 5.)

The Host Center provides each student with the following:

- an exam booklet
- a Scantron answer sheet
- #2 pencils

Rules:

- 1) The student's full name, school name, MESA Center and math course level must be filled out completely on the Scantron answer sheet. If any information is incomplete, the student is disqualified.
- 2) All students who participate in MESA Day must take a Solo Math exam, with the exception of those participating in the Team Math Quest event.
- 3) Students take the exam individually.

- 4) Students are allowed 50 minutes to complete their exam. Tardy students are not admitted.
- 5) Only non-QWERTY calculators are permissible and must be supplied by the student. Other electronic devices with embedded calculator functions such as cell phones, PDAs, media players, organizers, laptops or handheld computers or that have typewriter-like keyboards, require an electrical outlet, make noises, or use paper are not permitted. If any of these latter devices are in the student's possession on event day, they must be clearly stored away and turned completely off during the exam session.
- 6) Students may take a math exam at a higher level than their current math course, but may not take an exam at a lower level.
- 7) If a student is not currently enrolled in a math course, he or she must take the exam that corresponds to their most recent math course.
- 8) At regional events, the delegate competition is separate from the at-large competition. Students with similar exam levels may share the testing area, but scores are evaluated independently by category.
- 9) The Host Center provides each student with an exam booklet, a Scantron answer sheet and #2 pencils.

Scoring:

- 1) A student's score is determined by their number of correct answers. There are no penalties for incorrect responses or blanks.
- 2) In the event of a tie, the Host Center determines a winner with the tiebreaking procedure outlined in the *Solo Math Host Center Guidelines*. If a tie still exists after the procedure, then duplicate awards are given.

Awards:

- *Center Preliminaries:* Medals are awarded to students receiving the 1st, 2nd, and 3rd place score for each of the levels.
- *Regional Events:* Medals are awarded to students receiving the 1st, 2nd, and 3rd place score for each of the levels in the following two categories.
 - **Delegate:** A student who qualified to represent his or her Center in this event
 - **At-Large:** A student who is representing his or her Center in another event, but did not qualify to advance as a delegate in Solo Math