December 10, 2023

Dear Teachers, Students, and Parents,

The University of Houston invites students to participate in a High School Mathematics Contest **ONLINE on Saturday, January 27, 2024.** *(Note the date change; our initially advertised date of 2/17/24 falls on a long holiday weekend and also conflicts with UIL Invitationals.)* The contest will be hosted by the Department of Mathematics and the College of Natural Sciences and Mathematics. The contest is open to all **middle school and high school students,** and individual exams will be given in each of the following subject areas.

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For more information about the content of each exam, visit our [contest website](#) and view the Exam Content Information page. Exams from prior years can also be found at the contest website.

Students are permitted to take the contest exams from their own homes. Some schools opt to make a day of it and ask teachers and students to come to their own local school so exams can be taken in the school classrooms.

**NEW 2024 CONTEST FORMAT FOR SUBJECT EXAMS**

**Algebra 1, Geometry, Algebra 2, Precalculus, Calculus, Statistics, Physics, and Calculator/Computer**

1. For each subject exam, participants will receive one question at a time, with a time limit on each question. Throughout the exam, all students taking that subject exam will be working on the same question at the same time.

2. When participants receive a question: They will see the time limit for that question and a countdown clock. Answers must be submitted for that question before the time expires; otherwise the participant will receive no credit for that question. Answers can be changed for that question until the time for that question has expired. Once the time limit for the question has expired, the question will be closed and graded. Further answers cannot be submitted for that question, and participants cannot return to that question. After each question is graded, the participants will see their total number of correct answers up to that point in the exam, and a graph of the number of correct answers of other participants (without listing the names of the other participants).

3. The next question will then appear on the screen and will follow the same pattern described in #2. The student will continue to work through the exam in this manner until the time limit for the last question has expired.

4. Winners will be selected based upon the number of questions answered correctly, and ties will be broken using the total time taken to submit correct answers.

Note that the Number Sense exam and SmackDown competitions will follow the same format as our previous virtual contests; see our [Exam Content Information](#) page for more details.

**CONTEST DAY SCHEDULE**

Visit our [contest website](#) to view the schedule. Note that all times are in Central Standard Time.

**EXAM ENROLLMENT RULES**

- Students are eligible to sign up for at most one of Geometry, Algebra 2, or PreCalculus provided that they sign up for an exam at or above the level of the course they are currently taking in school.

(Continued on next page...)
• Students are permitted to take both the Algebra 1 and the Geometry exams provided that their current-year course in school is Algebra 1 or below.
• Every student is welcome to sign up for Statistics, Calculus, Physics, and/or Number Sense, schedule permitting.

SMACKDOWN COMPETITION
All students are welcome to compete in The SmackDown competition, which is offered after all the other exams. More information about this exciting elimination competition can be found on our SmackDown description page.

ONLINE REGISTRATION
Online registration opens on Tuesday, 1/2/2024 at 8:00 a.m. CST and closes on Saturday, 1/27/24 at 8:45 a.m. CST. Registration instructions will be posted on our contest website, https://mathcontest.uh.edu in mid to late December. The teacher/parent must register first and should then distribute the appropriate codes to their students to register individually for contest exams. If students are participating from the same school, just ONE teacher from that school should register. We can then keep track of all the students from that school (based on the students' codes) and that school can accrue contest points to compete for one of the school trophies.

CALCULATOR POLICY
• Calculators are NOT PERMITTED on the Number Sense Exam!
  If students are taking the Number Sense contest, it is our expectation that they will honor this expectation and complete the exam without a calculator.
• Calculators are NEEDED for the following exams:
  Statistics Exam  Calculator/Computer Exam*
  *Students taking the Calculator/Computer Exam may use a calculator, a computer, or both.
• Calculators are PERMITTED - but not required - for the following subject exams:
  (A calculator may save you time - but the problems can be done without a calculator. For the SmackDown elimination competition, most students choose to do the timed problems mentally.)
  Algebra 1  Algebra 2  Geometry  Precalculus  Calculus  Physics  Smackdown

There is NO cost for students or schools. Prizes will be awarded to winning students (see prizes here). Additional information can be found on our contest website, https://mathcontest.uh.edu.

Please share the information in this letter with others that you believe will be interested and urge them to contact us so that they may be included in our later announcements.

We hope you can join us ONLINE on January 27!

On behalf of the entire UH contest team,
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