



**2020**

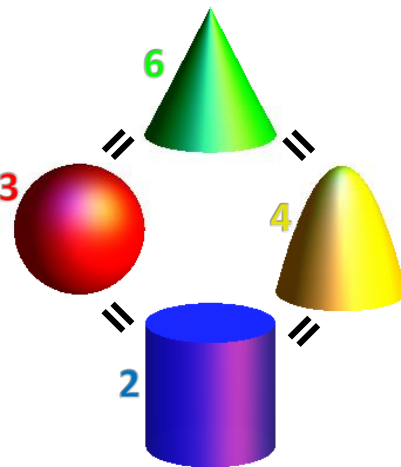
**Level 2 & Level 3**

# **High School Math Contest**

**Thursday, April 2, 2020**

**Lenoir-Rhyne University**

*Donald and Helen Schort School of  
Mathematics and Computing Sciences*



**TO:** Chairpersons of Mathematics Departments and Previous Participants  
**FROM:** Dr. Doug Burkholder, Math Contest Chair  
**RE:** NCCTM State High School Mathematics Contest  
Level 2 & Level 3 Qualifying Round at Lenoir-Rhyne University

Lenoir-Rhyne University in Hickory, NC will sponsor contests for the Level 2 and Level 3 portion of the NCCTM Mathematics Contest. This contest is open to all students who meet the eligibility requirements listed below. The goal of this contest is to stimulate interest in mathematics, to showcase the mathematical talents of local students, and for schools to compete with other schools in the region. Participation in mathematical contests is highly regarded by colleges and universities across the country. The top students in this qualifying round are eligible to compete in the State Finals. **We look forward to your participation in our contest.**

## **Contest**

The topics of the contest will follow the state curriculum guides for **Math 2** and **Math 3**. Each contest will consist of about 30 multiple-choice questions with a time limit of 70 minutes. Each student may participate in only one contest each year.

**Additional Information** and **Exams from previous contests** are available at

<https://www.lr.edu/public-events/high-school-math-contest>

## **Date, Time and Place**

Thursday, April 2, 2020

8:15 a.m. – 2:15 p.m.

Lenoir-Rhyne University

Hickory, NC

**Driving directions** are available online at the Contest Site stated above.

## **Purpose**

- To *stimulate interest* in mathematics through a competition and through a presentation.
- To *provide recognition* for outstanding mathematics students and outstanding mathematics teachers.
- To provide a *congenial atmosphere* for mathematics teachers to meet and share ideas and methods of teaching and learning mathematics.
- For students to have a *fun and rewarding* experience.

## **Competitions, Teams, and Calculators**

- The state has four competitions: **Level 1**, **Level 2**, **Level 3**, and **Comprehensive**.
- At Lenoir-Rhyne, students compete both *individually* and as a *team*. All students from the same school and the same level compete as one team. The team score is the sum of the four best individual scores from that team. This scoring method encourages participation. A student participating is always better for the team than that student not participating.
- The use of any **calculator** is **prohibited** during the contest. (This is consistent with the state finals.)

## Schedule

8:15 – 9:00	<b>Registration</b> in Belk Centrum
9:00 – 9:20	<b>Welcome</b> and Preliminaries
9:30 – 10:50	<b>Contest</b>
11:00 – 11:30	<b>Mathematical Presentation</b> “ <i>Humans Are Really Bad at Probability (Probably)</i> ” (Tentative) by Lenoir-Rhyne Professor and mathematician <b>Dr. Timothy Goldberg</b>
11:40 – 1:10	<b>Lunch</b> (provided) at the Student Union
1:15 – 2:15	<b>Awards Presentation</b> in Belk

## Eligibility

- The **Level 2 Contest** is open to all students, including middle school students, who are enrolled or have been enrolled in **Math 2** during the current academic year.
- The **Level 3 Contest** is open to all students, including middle school students, who are enrolled or have been enrolled in **Math 3** during the current academic year.
- A student enrolled in **Math 2** last fall and **Math 3** this spring may choose either contest.
- For students not on the common core, the teacher may decide the most appropriate contest.
- A student may compete in only one NC contest at only one test site each year.
- A student may compete only once in the Level 2 contest and only once in the Level 3 contest.
- If you have additional questions consult: <https://sites.google.com/site/statemathcontest/about/rules> or contact the **Contest Chair**.

## Contestants per School

Each school may bring at most **16 students** with at most **8 students** competing in the **Level 2 Contest** and at most **8 students** competing in the in **Level 3 Contest**. All Level 2 students (and likewise, all Level 3 students) from the same school compete as one team. The team score is the sum of the four best individual scores from that team. This scoring method encourages participation. A student participating is always better for the team than that student not participating.

## Awards

Awards will be presented to the **top three (3) teams** in both the **Level 2 & Level 3 Contests**.  
Awards will be presented to the **top three (3) individuals** in both contests.

## State Finalist

The **top 10%** of all (NC eligible) participants from the each contest qualify to compete in the regional finals of the **Level 2** and **Level 3 Contest** in April at either UNC Asheville (Western Region Finals) or UNC Greensboro (Central Region Finals). For additional information about the state finals, refer to the state contest website at <https://sites.google.com/site/statemathcontest/>.

## Fees

A fee of **\$11** will be charged for each contestant and **\$8** for each sponsor attending the contest. The fee will help cover the costs of lunch, printing expenses, and awards for the winners. All checks should be made payable to **LRU Mathematics Contest**.

## Registration

- **Participation is limited due to the size of our facilities!**
- **November – March: School Registration** with an *estimated* number of participants.
- **March: Each student completes a Student Registration Form.**  
**And:** Each School **completes their School Registration**, containing all **student** names.
- Both School and Student Registration Forms are available from <https://www.lru.edu/public-events/high-school-math-contest>
- **Registrations will continue to be accepted until we run out of space.**
- Upon receipt, an acknowledgement of your registration will be emailed back.

## Contact Information

Dr. Doug Burkholder, Math Contest Chair:	<a href="mailto:Doug.Burkholder@LRU.edu">Doug.Burkholder@LRU.edu</a>	828-328-7257
Dr. Timothy Goldberg, Assistant Contest Chair:	<a href="mailto:Timothy.Goldberg@LRU.edu">Timothy.Goldberg@LRU.edu</a>	828-328-7424
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Additional Contest Information & Driving Directions:

<https://www.lru.edu/public-events/high-school-math-contest>