

GENERAL INFORMATION

70th West River Mathematics Contest South Dakota School of Mines and Technology Rapid City, South Dakota

May 9th, 2022

The 70th West River Mathematics Contest will be held on the campus of South Dakota Mines on Monday, May 9th, 2022.

We invite students from your school to participate in this competition.

DIVISIONS

Competition will be held in the following five divisions:

- 1) Algebra I --- For students who have had no more than one year of Algebra.
- 2) Geometry --- For students who have Geometry in progress.
- 3) Algebra II --- For students who have Advanced Algebra in progress.
- 4) Advanced Math --- For students having completed Algebra I, Geometry, Algebra II, and are now taking Trigonometry, Solid Geometry, or other senior level courses.
- 5) Master's --- ~~For students who have already participated in the Advanced Math Division.~~ Due to cancelling the event in 2020 and 2021, for the 2022 contest, we are inviting only interested high school seniors to take the Master's.

Some schools do not offer these courses in this sequence, or you may have some students out of sequence. A student should take the exam for the course in which he/she is enrolled regardless of age or grade.

ENTRIES— A school with less than 300 students enrolled in grades 9-12 may enter from one to six contestants in each division. Schools with more than 300 students enrolled in grades 9-12 may enter from one to 10 contestants in each division. If your school has less than 300 students but you wish to enter more than 6 students in any category, your school will be classified in the A division. **The entry deadline is April 18, 2022.**

FORMAT—The contest will consist of a fifty-minute test followed by a twenty-minute test. The latter will be scored only if it is necessary to break ties. The contestant's score will be the score achieved on the fifty-minute test.

PENCILS AND PAPER—All contestants should plan to provide their own pencils. The college will provide scratch paper.

TESTS AND SCORING—The tests in all divisions will be prepared and scored by the faculty of the Mathematics Department at South Dakota Mines.