Math Competitions

If you are interested in any of the following competitions please contact Mrs. Conte at tconte@wcpss.net for information on how to register. You can also join the Sanderson Math Team to practice for these tests and hang out with other students who love math. Get monthly updates from the SHS Math Team by texting @mathteam10 to 810-10.

Competition Name	Registration Date	Competition Date	Location	Description
Todd Fuller	Friday, September 18, 2015	Saturday, October 17, 2015	NCSU	**SAT-approved calculators are permitted**. **Open only to seniors.** The test consists of two parts: the first is a 15-question (2 points each) multiple-choice test and the second requires students to show work on 10 problems, worth 4 points each. The test lasts one hour, and allows students to attend the last 4 hours of NCSU open house. Topics go through Integrated Math III or Algebra II, with statistics and probability.
USA Math Talent Search (MTS)	No registration required. Turn in Round 1 problems by due date.	Monday, October 19, 2015	Sanderson (after school)	**Calculators, computers, and books are permitted**. **Open to all grades.** Consists of 5 problems per round, with 3 rounds of problems. Students have over a month to solve the problems in each round. Students who score well will be invited to take the AIME, the second step in the process of selecting the USA Mathematical Olympiad Team.
American Mathematics Competition (AMC 10/12)	Monday, January 4, 2016	Tuesday, February 2, 2016	Sanderson (after school)	**Calculators are not permitted. Open to all grades.** The AMC 10 is a 25-question, 75-minute, multiple-choice examination in secondary school mathematics containing problems which can be understood and solved with algebra and geometry concepts. The AMC 12 is a 25-question, 75-minute, multiple-choice examination in secondary school mathematics containing problems which can be understood and solved with pre-calculus concepts. Each AMC 10 and AMC 12 contest contain about 12 of the same math problems. The AMC 12 is one in a series of examinations that culminate in participation in the International Mathematical Olympiad, the most prestigious and difficult secondary mathematics examination in the world. Certificates and pins are award to top scores. High scores move on to the future rounds to select the USA Mathematical Olympiad Team. Each correct answer is worth 6 points and each unanswered question is 1.5 points. There are no points deducted for guessing. Maximum score is 150.
Moody's Mega Math Challenge (M³)	TBA	TBA	Sanderson (after school)	**Calculators, computers, and books are permitted. Open only to 11th- and 12th- graders.** An open-ended, applied math modeling problem focused on a real-world issue. Moody's and SIAM are interested in improving the pipeline of young people going into applied mathematics, finance, and economics (among other subjects) and encourage students to participate in this contest as an educational process. There are 3 rounds, and if students are chosen to go to the final round they must present their problem to a panel of judges. Awards go to the top 6 groups; prize money ranges from $2,500 to $20,000.

Wylie Mathematics Tournament	TBA	Saturday, TBA	Furman University in Greenville, SC	**Calculators are not permitted. Open to all grades.** There is a "senior" competition and "junior" competition. The junior competition is open to all high school freshmen and sophomores. Note, however, that freshmen and sophomores are eligible to compete in the senior competition and are encouraged to do so if they are advanced in their course work. The two-hour senior examination, given in the morning, consists of multiple-choice questions from topics in algebra, geometry, advanced algebra, trigonometry, pre-calculus, analytic geometry, probability, and logic. In the afternoon up to three members of each team participate in a ciphering match against other schools in their division. Students compete against both the clock and each other as they try to solve problems displayed on a screen. All students who answer correctly within the prescribed time period earn points, and those who solve the problem first receive extra points. After the ciphering competition, awards are presented to the six students who score highest on the written exam and to the top four teams in both the written and the ciphering contests. The junior exam consists of multiple-choice questions from topics in algebra and geometry. Although results on the junior exam do not count towards the team score, awards are presented to the top three individual scorers.
State Mathematics Competition	TBA	Thursday, March 17, 2016	Wake Tech Community College	**Calculators are not permitted**. **Open to any student enrolled in Math 2/ Geometry or higher.** Each school will be allowed to send up to 4 students for the Level I competition (math II), 4 students for the Level II competition (math III), 4 students for the Level III competition (pre-calculus), and 6 students for the Comprehensive competition (calculus). Plaques and medals will be awarded to individuals and teams. A team score will be the sum of the top 4 scores of the school's participants. In the Level I, II, and III contests, the top 10% of individuals, but not less than 10 students, may compete later at the designated site for regional competition. In the comprehensive contest the top 8% of the individuals with a minimum of 8 students may compete at the State Finals. The test will consist of 20 multiple choice and 5 free response questions. The individual scores are calculated by finding the scores on the multiple choice and free response parts. **MULTIPLE CHOICE SCORES = 5 * NUMBER CORRECT + NUMBER LEFT BLANK** **FREE RESPONSE ANSWER SCORE = 10 * NUMBER CORRECT**