

Math League News

■ **Use the Internet to View Scores or Send Comments** to comments@mathleague.com.

■ **Contest Registration and Books of Past Contests** Register for next year by mail or on the internet right now! Renew now so you don't forget later! *You may ask us to bill you this fall.* We sponsor an *Algebra Course I Contest* and contests for grades 4, 5, 6, 7, and 8. Use the registration form enclosed with Contest #6 to register for contests or to **Order Books of Past Contests**.

■ **2022-2023 Contest Dates** We schedule the six contests to be held four weeks apart (mostly) and to end in March. Next year's contest (and alternate) dates, all Tuesdays, are October 18 (Oct. 25), November 15 (Nov. 22), December 13 (Dec. 20), January 10 (Jan. 17), February 14 (Feb. 21), and March 14 (Mar. 21). *Do you have a testing or other conflict?* If so, right now is a good time to put the alternate date on your calendar!

■ **Test Security Procedures** Students are expected to sign the honor pledge posted on our website, affirming that they "will neither give nor receive help with any of the Math League Contest questions either before or during any of the Math League Contests." Of course, in the end contest security is really a cooperative effort. Schools should do whatever they can to prevent premature disclosure of questions and/or answers. For our part, we are always monitoring the results for any suspicious outcomes, which we then investigate thoroughly.

■ **End-of-Year Awards and Certificates** Symbols identify winners. We ship plaques to the advisors. Errors? Write to *Math Plaques, P.O. Box 17, Tenafly, NJ 07670-0017*. Identify the award, contest level, your name, and the school's name and address. The envelope for Contest #5 contained Certificates of Merit for the highest scoring students overall and in each grade for the year. We sent all participating schools a link so that you can print additional ones for ties. If you prefer, send a **self-addressed, stamped envelope large enough to hold certificates (you need to use *TRIPLE* postage)** to *Certificates, P.O. Box 17, Tenafly, NJ 07670-0017*. (Please allow one week.)

■ **General Comments About the Contest (and the Year)** Deanna Abramowitz said, "These were very interesting problems. My students said that they needed more than the allocated time to finish." Roger Finnell said, "Why make the last contest so difficult? Very discouraging to many." Robert Morewood said, "Thanks for another year!" Ed Groth said, "Another fun year of Math League has come to a close...Thanks to your team for all you do, even in pandemic times. The kids love the challenge, and I love beating them (almost) every month. See you in the Fall!"

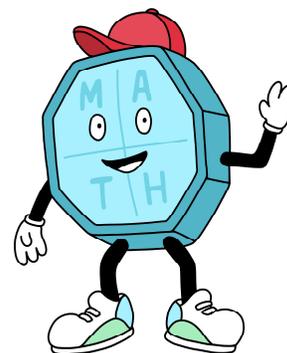
■ **Question 6-6: Comments** Richard Nickerson said, "Question 6-6 was my favorite of the year, using several different facts to lead to the solution. a great way to end the contest year!" One student submitted a comment and said, "If it wasn't for an app on my TI-84, I wouldn't have gotten a perfect score for the last contest session. I wish I had taken this contest during freshman year..." When asked which app he had used on the TI-84, he replied, "I used the *plysmlt2* app (more specifically Polynomial Root Finder) and set it into $a + bi$ mode." Ed Groth said, "I do think #6-6 falls under the Constitution as 'cruel and unusual punishment,' but I never complain about being humbled by math once in awhile." Robert Morewood said, "I was impressed by the official solutions on this last round and have no improvements to offer, just a challenge to students and other supervisors: Can you find those three complex roots in #6?"

■ **In Memorium** Before we close the 2021-2022 school year, we wish to pay tribute to Michael Selby, who died this past September after a brief illness from Covid-19. Dr. Selby received an Honors Science degree from the University of Manitoba in 1965 and a PhD degree from Cornell University in 1970. He taught at the University of Windsor from 1970 until 2001. For over 40 years, Dr. Selby was an important part of Math League. In addition to serving as one of our consultants, he contributed many of the most challenging and interesting questions that appeared on our high school contests. We will miss him as a friend and as a colleague.

Statistics / Contest #6

Prob #, % Correct (all reported scores)

6-1	79%	6-4	20%
6-2	57%	6-5	16%
6-3	64%	6-6	4%



SEE YOU NEXT YEAR!!