



**KMMC**  
KARATE MASTERS MATHEMATICS  
COMPETITIONS

**KARATE MASTERS MATHEMATICS COMPETITIONS**

**2ND ANNUAL**

**KMMC 8B**

**KARATE MASTERS MATHEMATICS COMPETITION 8B**

**THURSDAY, DECEMBER 30, 2021**



### **INSTRUCTIONS**

1. DO NOT OPEN THIS BOOKLET UNTIL YOU DECIDE TO BEGIN.
2. This is a twenty-five question multiple choice test. Each question is followed by answers marked A, B, C, D and E. Only one of these is correct.
3. Mark your answer to each problem on the KMMC 8 Answer Form with a keyboard. Check the keys for accuracy and erase errors and stray marks completely. Only answers properly marked on the answer form will be graded; however, this mock will be graded by people.
4. SCORING: There is no penalty for guessing. Your score is the number of correct answers.
5. No aids are permitted other than writing utensils, blank scratch paper, rulers, and erasers. No calculators, smartwatches, phones, computing devices, compasses, protractors, or graph paper are allowed. No problems on the test will require the use of a calculator.
6. Figures are not necessarily drawn to scale.
7. Before beginning the test, your proctor will not ask you to record certain information on the answer form.
8. When you give the signal, begin working on the problems. You will have 40 minutes to complete the test. You can discuss only with people that have taken the test during the period when make-ups are eligible.
9. When you finish the exam, don't sign your name in the space provided on the Answer Form.

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The Committee on the Karate Masters Mathematics Competitions reserves the right to re-examine students before deciding whether to grant official status to their scores. The Committee also reserves the right to disqualify all scores from a school if it determines that the required security procedures were not followed.

The publication, reproduction or communication of the problems or solutions of the KMMC 8 during the period when students are eligible to participate seriously jeopardizes the integrity of the results. Dissemination via copier, telephone, email, internet or media of any type during this period is a violation of the competition rules. After the contest period, permission to make copies of individual problems in paper or electronic form including posting on web pages for educational use is granted without fee provided that copies are not made or distributed for profit or commercial advantage and that copies bear the copyright notice.

1. We're no strangers to love...



(A) lol      (B) you      (C) rick      (D) rolled      (E) me