67th ANNUAL
HIGH SCHOOL HONORS MATHEMATICS CONTEST

April 20th, 2024
on the campus of the
University of California, San Diego

PART I
25 Questions

Welcome to the contest! Please do not open the exam until told do so by the proctor.

EXAMINATION DIRECTIONS:

1. Print (**clearly**) your Name and Contest ID number at the top of **each page of the contest**. (Keep your ID number handy for Part II.)
2. Calculators or other electronic devices may **not** be used.
3. There are 25 multiple-choice questions on Part I. You have 90 minutes for Part I.
4. Clearly indicate your answer in the bubble for each problem. Fill in the bubble, or put a clear X, or a checkmark; just make sure your selection is clear.

Scoring
$+4$ points for a correct answer.
0 points for no answer.
-1 points for an incorrect answer.

Good Luck!

There will be a 15 minute break after Part I before proceeding to Part II.

Please let your coach know if you plan to attend the Awards Banquet on Tuesday, May 2, 6:00–8:30pm.

ANSWERS.

1. (D)	14. (C)
2. (D)	15. (E)
3. (B)	16. (B)
4. (E)	17. (A)
5. (B)	18. (B)
6. (B)	19. (D)
7. (C)	20. (C)
8. (E)	21. (A)
9. (C)	22. (B)
10. (C)	23. (E)
11. (C)	24. (D)
12. (B)	25. (A)
13. (E)	

(A)$\times 3$ (B)$\times 7$ (C)$\times 6$ (D)$\times 4$ (E)$\times 5$