

Stanford Math Tournament 2023

April 8, 2023



Organizers

Tournament Director: Arpit Ranasaria

Problem Writing Coordinator: Katherine Yu

Financial Officer: Eric Gao

Social Chair: Victor Kolev

Logistics: Alice Zhu, Isaac Zhao, Ivan Ge, Javokhir Arifov, Lisa Liu, Matthew Ding, Nancy Jiang, Neil Rathi, Ramya Iyer, Ruosong Gao

Test Coordinators

Problem Writing Coordinator: Katherine Yu

General: Ramya Iyer

Algebra: Alice Zhu

Discrete: Ethan Zhang

Geometry: Ramya Iyer

Calculus: Misha Ivkov, Neil Rathi

Team: Isaac Zhao

Power: Eric Gao

Guts: Ramya Iyer, Lisa Liu

Problem Writers

Conor Kennedy

Eric Gao

Ethan Zhang

Isaac Zhao

Katherine Yu

Lisa Liu

Misha Ivkov

Praneeth Kolichala

Quanlin Chen

Ramya Iyer

Ruosong Gao

Victor Kolev

General Test Honorable Mentions (Top 25%)

007C Ananya Raghu

011D Hannah Fox

011E Agniv Sarkar

012E Kaleb So

017D Kara Chou

017F Jonathan Du

018B Gloria Ma

022B Adrian Zhang

023F Lily Shi

029B Timothy Liu

032C Ryan Fu

General Test (Top Scores)

- 6. 023F, Lily Shi, Harker Eagles, The Harker School, 12
- 6. 017D, Kara Chou, LAHS, Los Altos HS, 12
- 6. 011E, Agniv Sarkar, Proof School, Proof School, 12
- 6. 011D, Hannah Fox, Proof School, Proof School, 12
- 6. 007C, Ananya Raghu, Quarry Lane Cougars, Quarry Lane School, 12
- 4. 032C, Ryan Fu, Amador Valley HS, Amador Valley HS, 13
- 4. 029B, Timothy Liu, DVHS, Dougherty Valley HS, 13
- 3. 018B, Gloria Ma, Athemath, Athemath, 15
- 2. 012E, Kaleb So, TKA, The King's Academy, 17
- 1. 017F, Jonathan Du, LAHS, Los Altos HS, 17

Algebra Test Honorable Mentions (Top 25%)

004C Sam Engel

006B Larry Xing

006C Aaron Chen

007A Ricky Hu

008C Robin Sharif

008E Justin Zhang

008F Aman Jain

009B Sean O

010B Steven Pan

010C Brian Bi

010E Brian Xue

012C Kyle Lei

013A Amol Rama

013C Nilay Mishra

013D Skyler Mao

013E Advaith Avadhanam

014A Alan Lee

014B Jerry Guo

020A Angela Liu

023C Ian Ogden

025B Caitlynn Sue

025D Ishir Garg

028A Ishani Agarwal

028B Bryan Li

028C Anthony Wang

028D Victoria Hu

028E Alan Lu

028F Lawson Wang

029F Julia Xiang

031A Lorraine Wang

Algebra Test Honorable Mentions (Top 25%)

031C Felix Liu

031D Brianna Zheng

032A Sahil Mehta

032F Jerry Liu

036E Akilan Paramasivam

036F Henry Yao

038A Brian Li

038C Emma Li

039B Alex Backues

040B Peter Ferolito

041B Lucas Yuan

041D Veenu Damarla

Algebra Test (Top Scores)

- 7. 038A, Brian Li, Mission San Jose, MSJ Math Club, 6
- 7. 028B, Bryan Li, Saratoga, Saratoga HS, 6
- 7. 023C, Ian Ogden, Harker Eagles, The Harker School, 6
- 7. 008E, Justin Zhang, San Diego Math Circle, San Diego Math Circle, 6
- 3. 020A, Angela Liu, AlphaStar AIR, AlphaStar Academy, 7
- 3. 013C, Nilay Mishra, Random Math, Random Math, 7
- 3. 013A, Amol Rama, Random Math, Random Math, 7
- 3. 007A, Ricky Hu, Quarry Lane Cougars, Quarry Lane School, 7
- 2. 028C, Anthony Wang, Saratoga, Saratoga HS, 8
- 1. 013E, Advait Avadhanam, Random Math, Random Math, 8

Calculus Test Honorable Mentions (Top 25%)

008A Jacopo Rizzo

009E Medha Mahanta

013B Nikash Gupta

013C Nilay Mishra

013F Kavan Doctor

014D Roger Fan

020C Rohan Das

020D Rohan Bodke

021C Redger Xu

024D Shaamak Goyal

028C Anthony Wang

034F Isaac Jones

036D Ritwin Narra

040D Ishwar Suriyaprakash

041C Atticus Kuhn

Calculus Test (Top Scores)

- 5. 040D, Ishwar Suriyaprakash, Homestead High Mustangs, Homestead HS, 5
- 5. 036D, Ritwin Narra, AlphaStar EARTH, AlphaStar Academy, 5
- 5. 024D, Shaamak Goyal, Monte Vista: Allen's Apostles, Monte Vista HS, 5
- 5. 020D, Rohan Bodke, AlphaStar AIR, AlphaStar Academy, 5
- 5. 013F, Kavan Doctor, Random Math, Random Math, 5
- 5. 013C, Nilay Mishra, Random Math, Random Math, 5
- 4. 008A, Jacopo Rizzo, San Diego Math Circle, San Diego Math Circle, 6
- 3. 020C, Rohan Das, AlphaStar AIR, AlphaStar Academy, 7
- 2. 028C, Anthony Wang, Saratoga, Saratoga HS, 7
- 1. 014D, Roger Fan, Gunn High: Roger Fan Club, Henry M. Gunn HS, 7

Discrete Test Honorable Mentions (Top 25%)

005A Neal Frankenberg

006A Sheldon Tan

006B Larry Xing

006E Qiao Zhang

006F Vivian Loh

008F Aman Jain

011A Pico Gilman

013A Amol Rama

013F Kavan Doctor

014A Alan Lee

014E Steve Zhang

014F Josh Shin

020B Linus Tang

020C Rohan Das

020D Rohan Bodke

020E Aarush Khare

020F David Zhang

028B Bryan Li

028D Victoria Hu

028F Lawson Wang

032F Jerry Liu

036C Alex Chen

038E Evan Yang

039D Michelle Liang

Discrete Test (Top Scores)

- 7. 038E, Evan Yang, Mission San Jose, MSJ Math Club, 6
- 7. 036C, Alex Chen, AlphaStar EARTH, AlphaStar Academy, 6
- 7. 028F, Lawson Wang, Saratoga, Saratoga HS, 6
- 7. 028B, Bryan Li, Saratoga, Saratoga HS, 6
- 7. 020F, David Zhang, AlphaStar AIR, AlphaStar Academy, 6
- 7. 020C, Rohan Das, AlphaStar AIR, AlphaStar Academy, 6
- 7. 013F, Kavan Doctor, Random Math, Random Math, 6
- 6. 028D, Victoria Hu, Saratoga, Saratoga HS, 7
- 5. 011A, Pico Gilman, Proof School, Proof School, 7
- 4. 006A, Sheldon Tan, YEA Spice, Youth Euclid Association, 7
- 3. 014E, Steve Zhang, Gunn High: Roger Fan Club, Henry M. Gunn HS, 7
- 2. 006E, Qiao Zhang, YEA Spice, Youth Euclid Association, 7
- 1. 020B, Linus Tang, AlphaStar AIR, AlphaStar Academy, 8

Geometry Test Honorable Mentions (Top 25%)

006E Qiao Zhang

006F Vivian Loh

008A Jacopo Rizzo

010A Daniel Kim

010B Steven Pan

013D Skyler Mao

013E Advait Avadhanam

014E Steve Zhang

020A Angela Liu

020B Linus Tang

020E Aarush Khare

025D Ishir Garg

031E Robert Feng

036A Taiga Nishida

036C Alex Chen

038E Evan Yang

039D Michelle Liang

Geometry Test (Top Scores)

- 7. 036A, Taiga Nishida, AlphaStar EARTH, AlphaStar Academy, 7
- 7. 031E, Robert Feng, BISV Bobcats, Basis Independent Silicon Valley, 7
- 7. 014E, Steve Zhang, Gunn High: Roger Fan Club, Henry M. Gunn HS, 7
- 7. 013D, Skyler Mao, Random Math, Random Math, 7
- 7. 008A, Jacopo Rizzo, San Diego Math Circle, San Diego Math Circle, 7
- 6. 036C, Alex Chen, AlphaStar EARTH, AlphaStar Academy, 8
- 5. 020B, Linus Tang, AlphaStar AIR, AlphaStar Academy, 8
- 4. 039D, Michelle Liang, Canyon Crest Conspiracy, Canyon Crest Academy, 8
- 3. 006E, Qiao Zhang, YEA Spice, Youth Euclid Association, 8
- 2. 020A, Angela Liu, AlphaStar AIR, AlphaStar Academy, 8
- 1. 013E, Advait Avadhanam, Random Math, Random Math, 9

Power Round (Top Scores)

10. Team 039, Canyon Crest Conspiracy, Canyon Crest Academy, 59
10. Team 004, Menlo School, Menlo School, 59
9. Team 006, YEA Spice, Youth Euclid Association, 68
8. Team 036, AlphaStar EARTH, AlphaStar Academy, 80
6. Team 028, Saratoga, Saratoga HS, 92
6. Team 010, Lynbrook Vikings, Lynbrook HS, 92
5. Team 008, San Diego Math Circle, San Diego Math Circle, 109
4. Team 014, Gunn High: Roger Fan Club, Henry M. Gunn HS, 111
3. Team 013, Random Math, Random Math, 119
2. Team 020, AlphaStar AIR, AlphaStar Academy, 120
1. Team 011, Proof School, Proof School, 137

Team Round (Top Scores)

- 9. Team 039, Canyon Crest Conspiracy, Canyon Crest Academy, 9
- 9. Team 031, BISV Bobcats, Basis Independent Silicon Valley, 9
- 9. Team 012, TKA, The King's Academy, 9
- 9. Team 007, Quarry Lane Cougars, Quarry Lane School, 9
- 9. Team 004, Menlo School, Menlo School, 9
- 1. Team 036, AlphaStar EARTH, AlphaStar Academy, 12
- 1. Team 028, Saratoga, Saratoga HS, 12
- 1. Team 020, AlphaStar AIR, AlphaStar Academy, 12
- 1. Team 014, Gunn High: Roger Fan Club, Henry M. Gunn HS, 12
- 1. Team 013, Random Math, Random Math, 12
- 1. Team 011, Proof School, Proof School, 12
- 1. Team 008, San Diego Math Circle, San Diego Math Circle, 12
- 1. Team 006, YEA Spice, Youth Euclid Association, 12

Guts Round (Top Scores)

10. Team 039, Canyon Crest Conspiracy, Canyon Crest Academy, 255
9. Team 011, Proof School, Proof School, 267
8. Team 036, AlphaStar EARTH, AlphaStar Academy, 298
7. Team 010, Lynbrook Vikings, Lynbrook HS, 336
6. Team 020, AlphaStar AIR, AlphaStar Academy, 339
5. Team 006, YEA Spice, Youth Euclid Association, 345
4. Team 028, Saratoga, Saratoga HS, 349
3. Team 014, Gunn High: Roger Fan Club, Henry M. Gunn HS, 355
2. Team 013, Random Math, Random Math, 369
1. Team 008, San Diego Math Circle, San Diego Math Circle, 370

Overall (Top Scores)

10. Team 039, Canyon Crest Conspiracy, Canyon Crest Academy, **392.017**
9. Team 010, Lynbrook Vikings, Lynbrook HS, **485.026**
8. Team 036, AlphaStar EARTH, AlphaStar Academy, **499.590**
7. Team 006, YEA Spice, Youth Euclid Association, **507.172**
6. Team 011, Proof School, Proof School, **555.869**
5. Team 008, San Diego Math Circle, San Diego Math Circle, **573.397**
4. Team 028, Saratoga, Saratoga HS, **574.360**
3. Team 014, Gunn High: Roger Fan Club, Henry M. Gunn HS, **584.105**
2. Team 020, AlphaStar AIR, AlphaStar Academy, **632.670**
1. Team 013, Random Math, Random Math, **639.807**