

Intermediate Contest Math Course Syllabus

Who should take this?

This course is oriented to students who have performed well on the AMC 10 but not enough to qualify for the AIME. However, all students are welcome to participate and learn tips and tricks for the AMC 10. Some of the concepts in this course can be applied to early AIME problems as well. This course specifically focuses on problems in the middle (10 - 20) of the AMC 10.

Please note that the problems used in this course will be from old AMC 10 competitions (2000 - 2021), so if you are familiar with all of them, this may be a waste of time.

When does this class take place?

Barring unforeseen circumstances, there should be a class every Sunday for an hour, from 7 to 8 pm. This course should go from June 27th to August 29th (8 weeks). There will be no class on July 4th.

Topics

Week 1: Circles

Week 2: Polygons

Week 3: Solids

Week 4: Vieta's Formula and Polynomials

Week 5: Cartesian Plane, Translating words to algebra

Week 6: Probability

Week 7: Number Theory

Week 8: Combinatorics