

MSJ Math Club

About Us

21 May 2015

1 Introduction

MSJ Math Club holds weekly meetings Thursdays at lunch. At each week's meeting, club officers give mathematics lectures, usually centered about one specific topic. From time to time, Math Club invites guest speakers for the club; past speakers have included mathematicians from Carnegie Mellon and UC Berkeley.

Lectures are typically comprised of introductions to the topic and facts, theorems, and techniques associated with the particular topic. We then have sample problems, where we explain methods and techniques that we can use to solve specific problems, and guide everyone through samples. Finally, our handouts always include additional problems related to the topic that you can think about after the lecture.

Lecture topics vary greatly, from classical competition math (algebra, combinatorics, number theory, and geometry) to other interesting aspects of non-competition math, including Godel's Incompleteness Theorem, the Stable Marriage Theorem, transfinite cardinals, as well as applications to other fields.

2 The MSJ Math Community

The MSJ Math community is a well-knit group of individuals that share a passion and love for math! Our weekly meetings may be times for us to discuss interesting topics in our lectures, but more than anything, they give us an opportunity to bond with each other and simply enjoy spending time with each other. Every once in a while, we hold pizza parties so the MSJ Math community can get together and just socialize.

3 Math Competitions

Each year, Math Club forms teams to participate in a variety of competitions, including the Stanford Math Tournament, Berkeley Math Tournament, and Bay Area Math Olympiad. Many members of Math Club also participate in contests such as the California Math League, AMC (American Mathematics Competition), AIME (American Invitational Math Examination), and USAMO (USA Math Olympiad). Each year, Math Club organizes its own tournaments for motivated mathematics students; MMT (Mission Math Tournament) is run every year for students at Mission, and MagMaR is Math Club's annual math competition for middle schoolers around the Bay Area.

4 Additional Information

For more information about MSJ Math Club, please visit our website at msjmath.github.io. You can find past lecture handouts, a schedule of events, information about competitions, and much more!