# Discrete Structures 220 QC-CUNY Surya Teja Gavva 

## Drawing Puzzles

Have you ever attempted puzzles that challenge you to sketch a figure without raising your pencil or retracing the same line? What if I told you that there's a straightforward insight that can provide you with the solution to all these puzzles? This is precisely the revelation that Euler had, leading to the birth of graph theory!

How many of these puzzles can you complete? How many of these puzzles are possible and how many are impossible? Is there a way of knowing whether a puzzle of this sort is possible without trying it? There is!.



