



Cheenta - Filix Math Olympiad Program

Starter Module

Day 1 - Homework problems

(Try these before coming to **next** class)

Problem 1

Draw projected images of Cube, Tetrahedron, and Octahedron. How many vertices, edges and regions do they have? How are they different from the actual three dimensional objects.

Problem 2

Draw graphs with 4 vertices and 4 edges. At most how many edges can you draw in a graph with 6 vertices? At most how many regions are there?

Problem 3

Try to draw a graph with 4 vertices and 4 edges so that the edges do not overlap each other.