



Cheenta - Filix Math Olympiad Program

Starter Module

Day 2 - Homework problems

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

Problem 1

What is the fundamental axiom of the circle? Draw a circle with the compass and pencil. Show pictorially how a regular hexagon can be constructed using a circle.

Problem 2

Draw a picture with 4 vertices, with 3 edges coming out of each vertex. Use reason to explain, how many edges the picture has.

Problem 3

How can you quickly draw an icosahedron? Mention the steps and draw a picture.