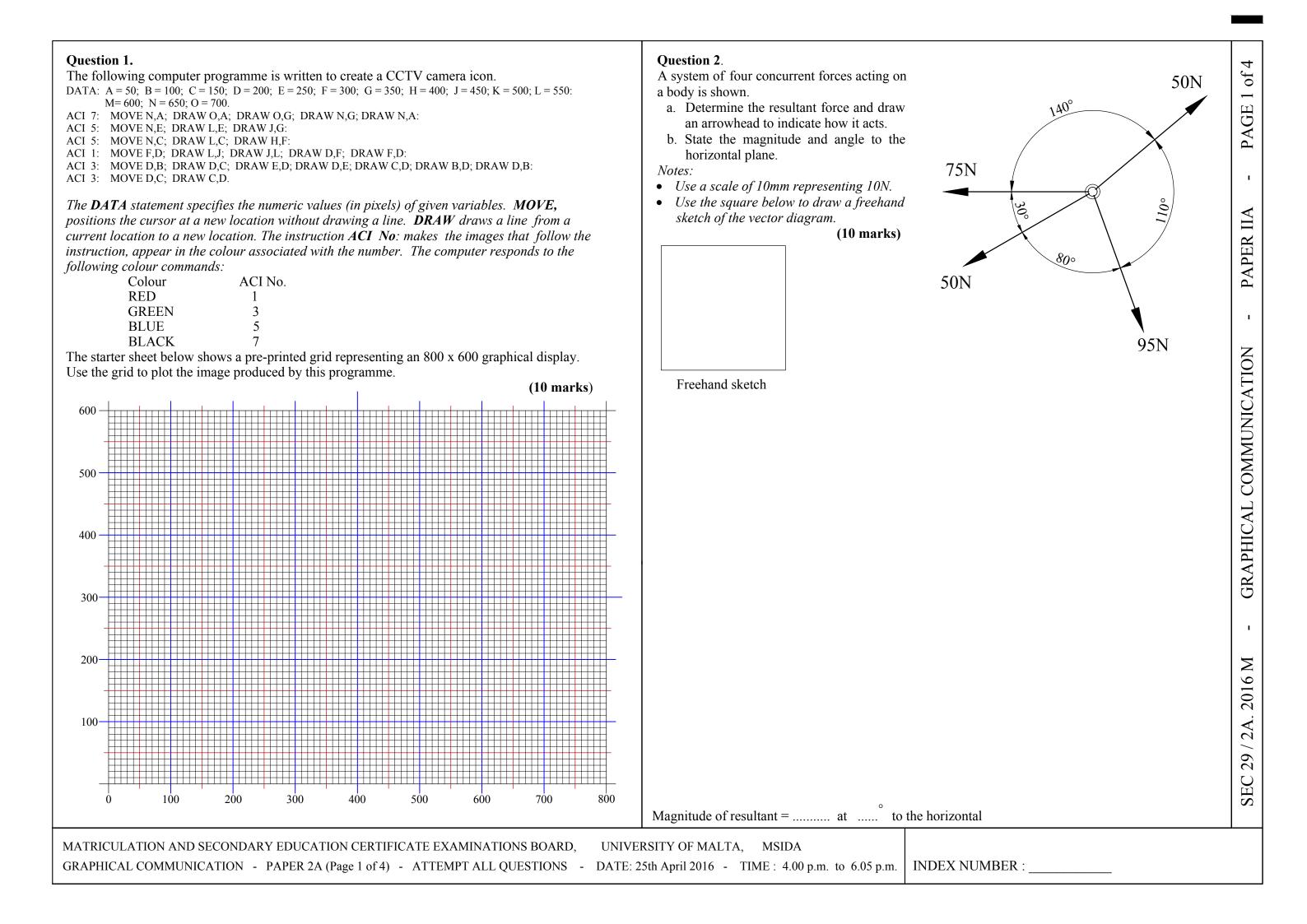
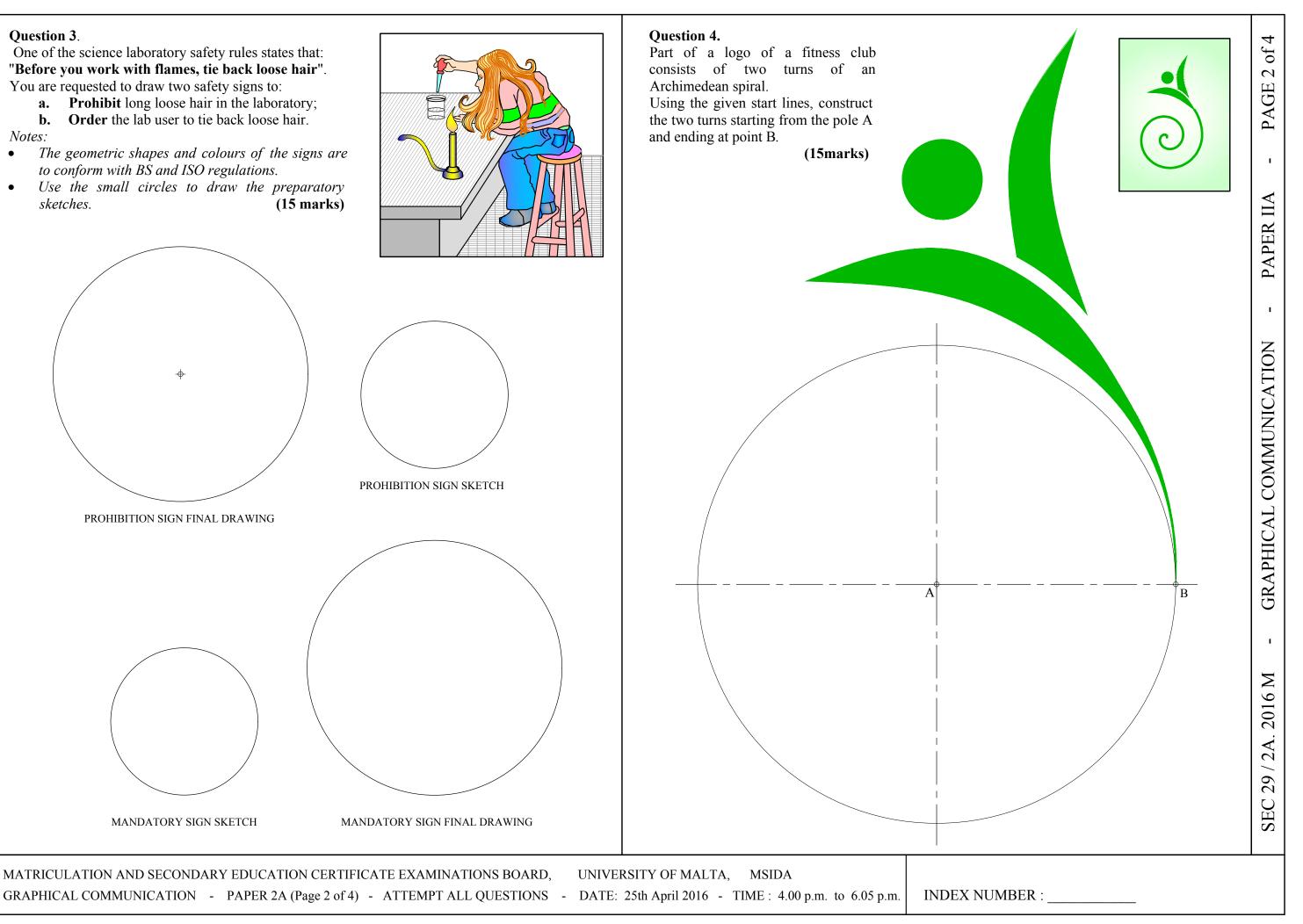


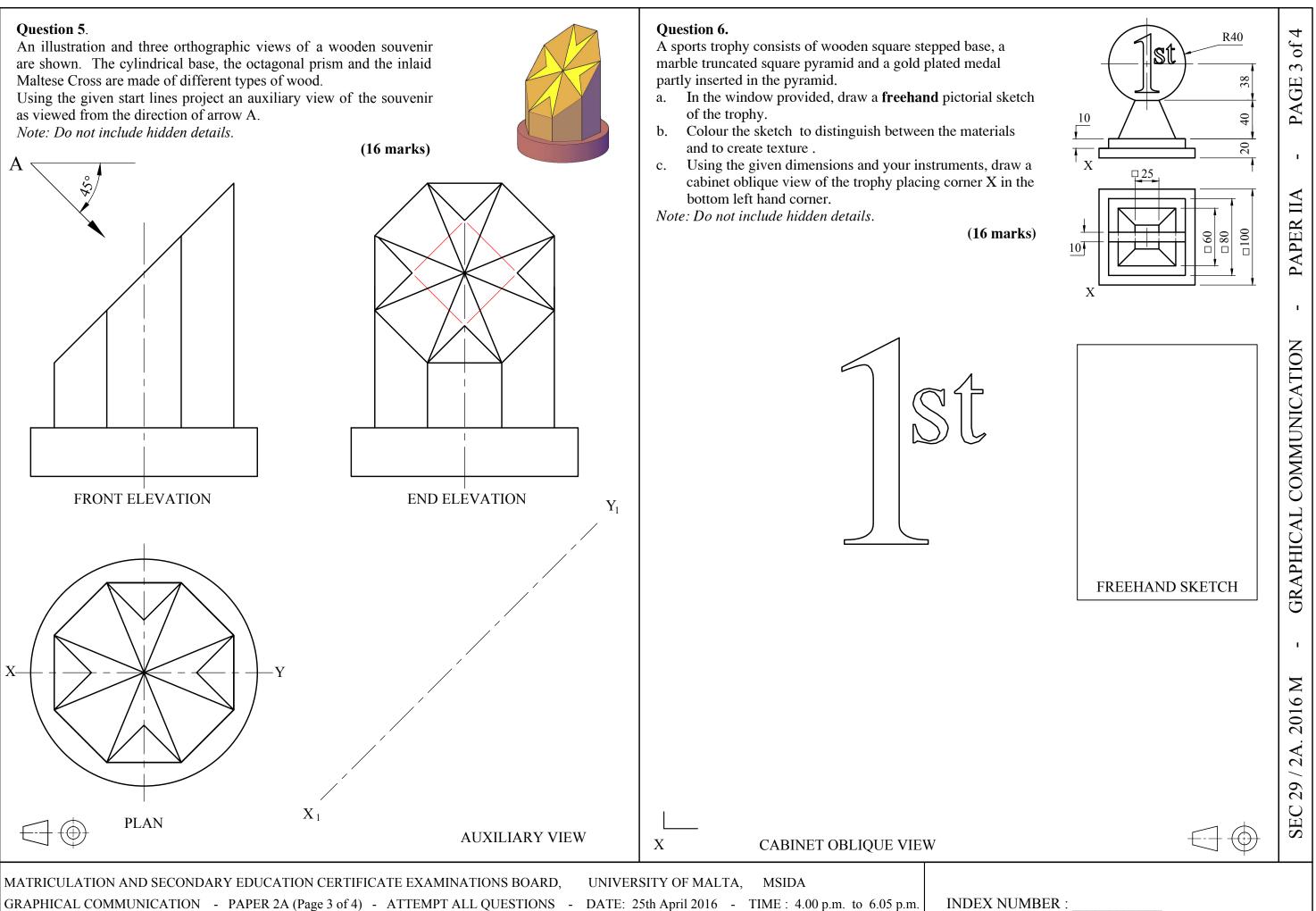
MATRICULATION AND SECONDARY EDUCATION CERTIFICATE EXAMINATIONS BOARD, UNIVERSITY OF MALTA, MSIDA		
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- to conform with BS and ISO regulations.
- sketches.

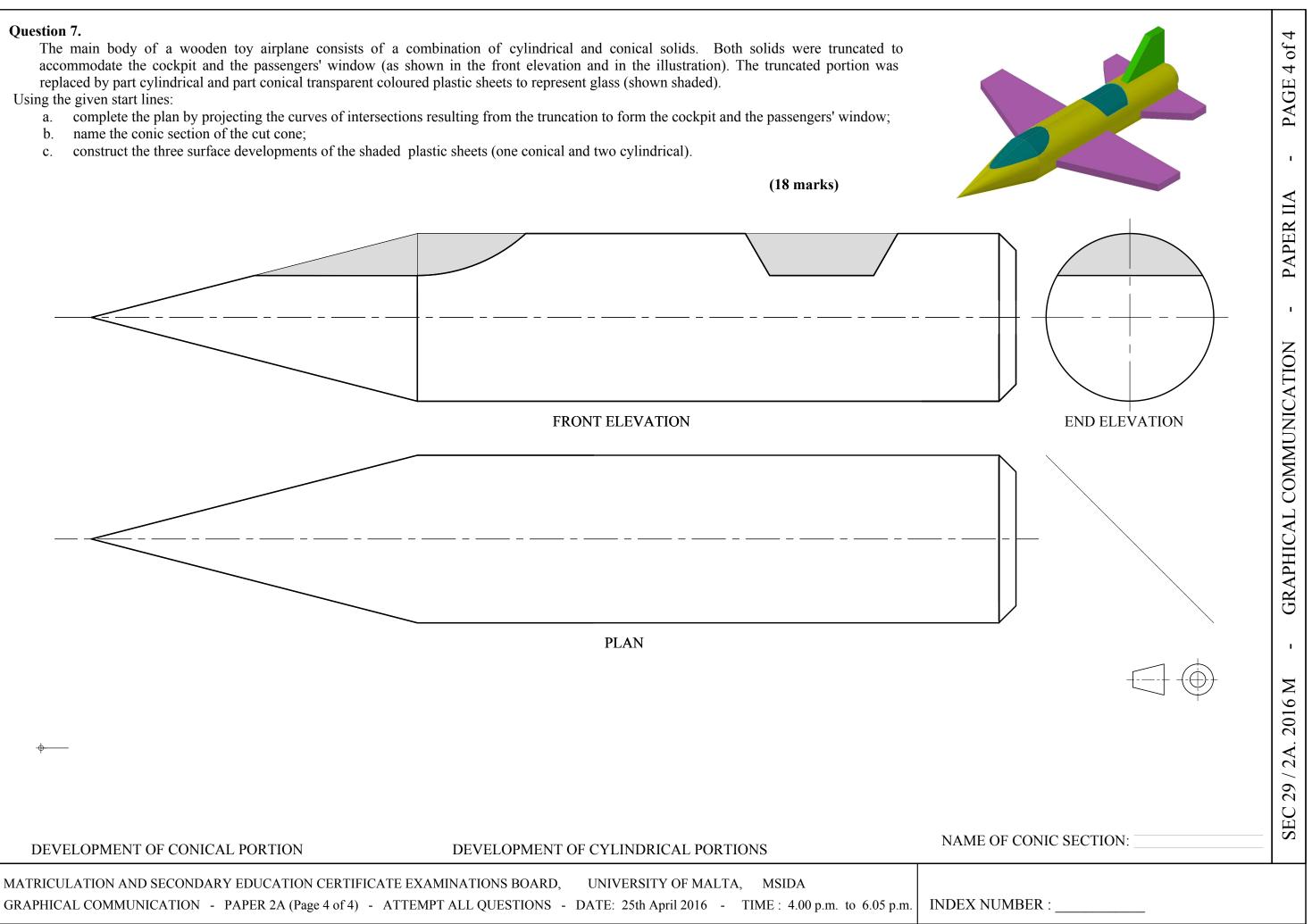


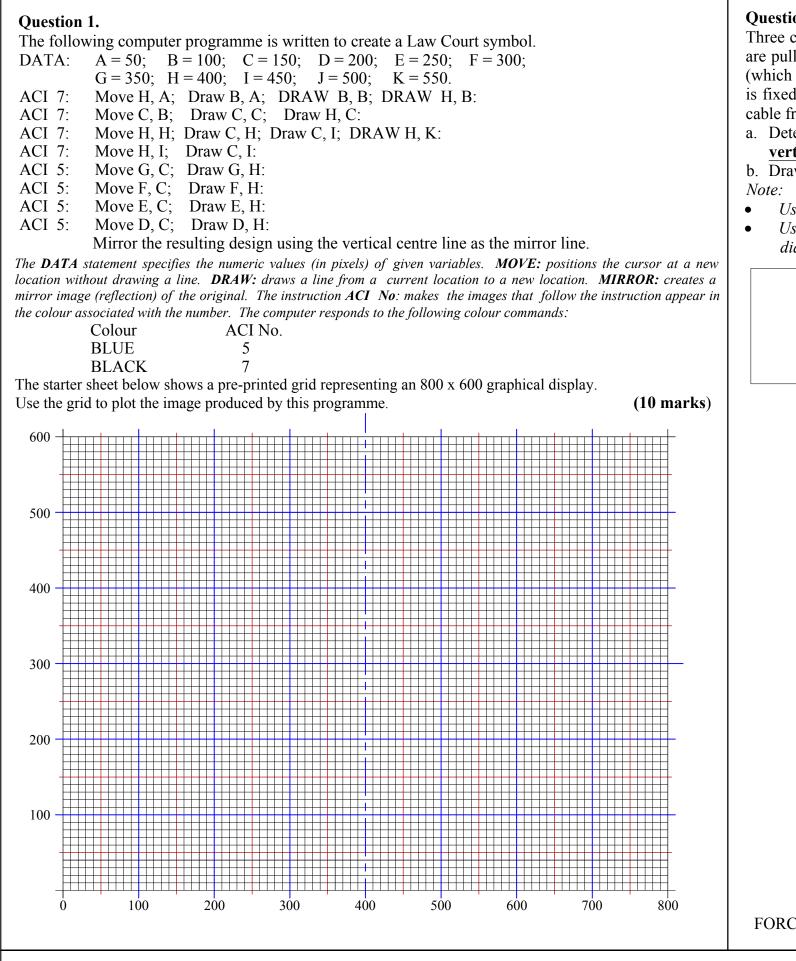




- name the conic section of the cut cone;







Question 2.

Three cables are attached to the end of a pole O and are pulling with the forces as indicated in the Figure (which represents a state of equilibrium). The pole is fixed to the ground and is supported by a vertical cable from the end O to the ground as shown.

a. Determine the forces in the **pole** and in the vertical cable. b. Draw arrowheads to indicate how they act.

- Use a scale of 10mm representing 1kN
- Use the rectangle below to sketch the vector diagram. (10 marks)



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