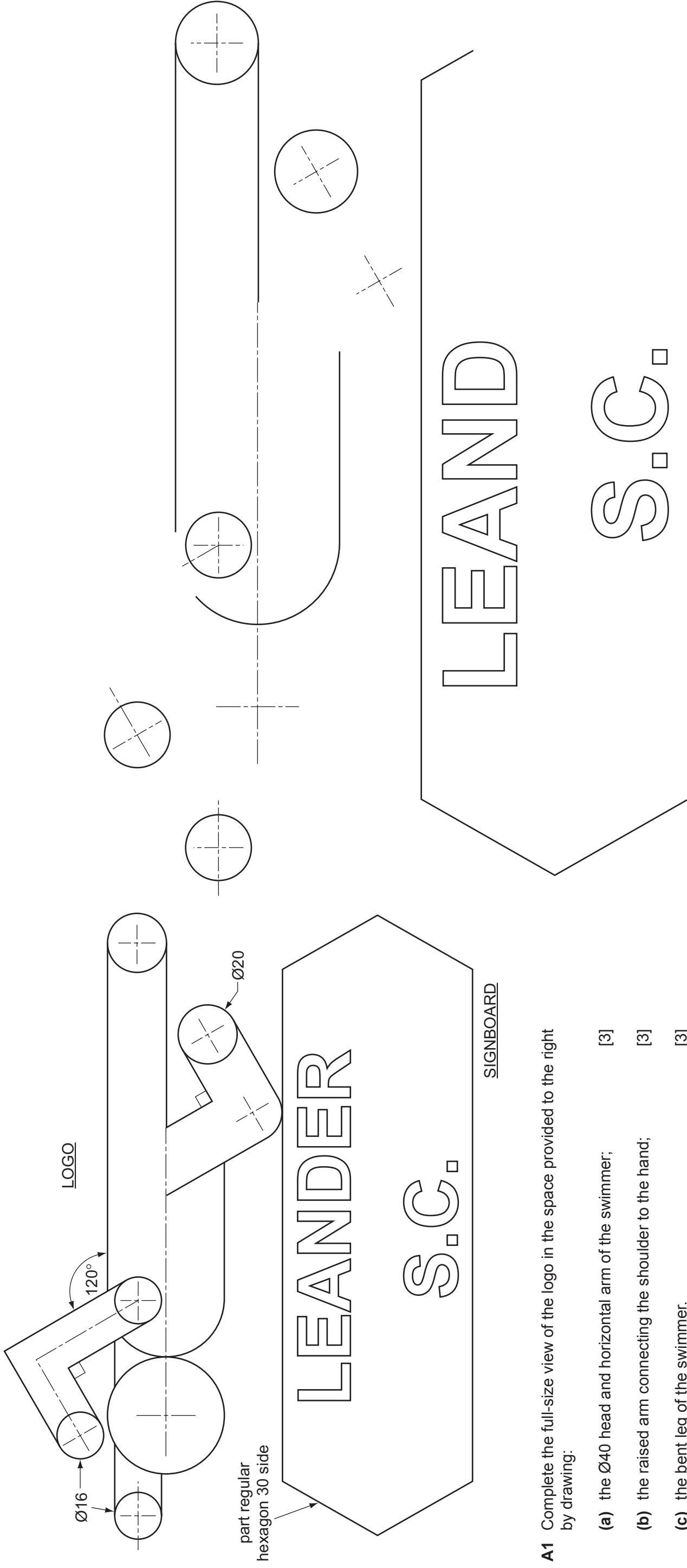


**Section A**

Answer **all** questions in this section.

A local swimming club is called LEANDER S.C.

The details of the club logo and signboard are shown below.



- A1** Complete the full-size view of the logo in the space provided to the right by drawing:
- (a) the  $\text{\O}40$  head and horizontal arm of the swimmer; [3]
  - (b) the raised arm connecting the shoulder to the hand; [3]
  - (c) the bent leg of the swimmer. [3]

**A2** Complete the signboard for LEANDER S.C. by:

- (a) adding the **two** missing letters; [4]
- (b) completing the outline so that the shape is symmetrical. [2]

All the letters must be to the same height and style as those given.

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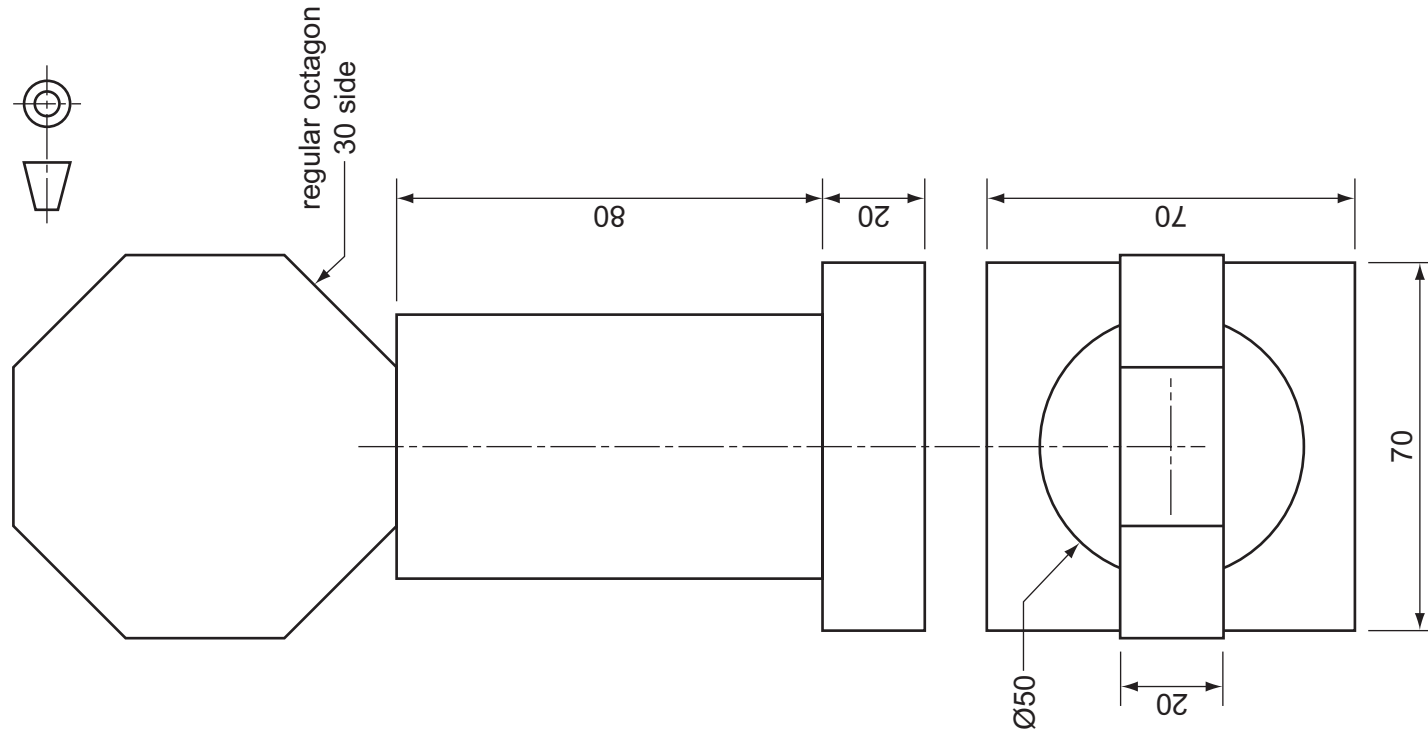
Centre Number .....

Candidate's Number .....

Candidate's Surname ..... Other Names ..... [Turn over

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**A3** Drawn below are details of a trophy intended for the best time in the 100 m freestyle. The trophy is made up from regular geometrical shapes.



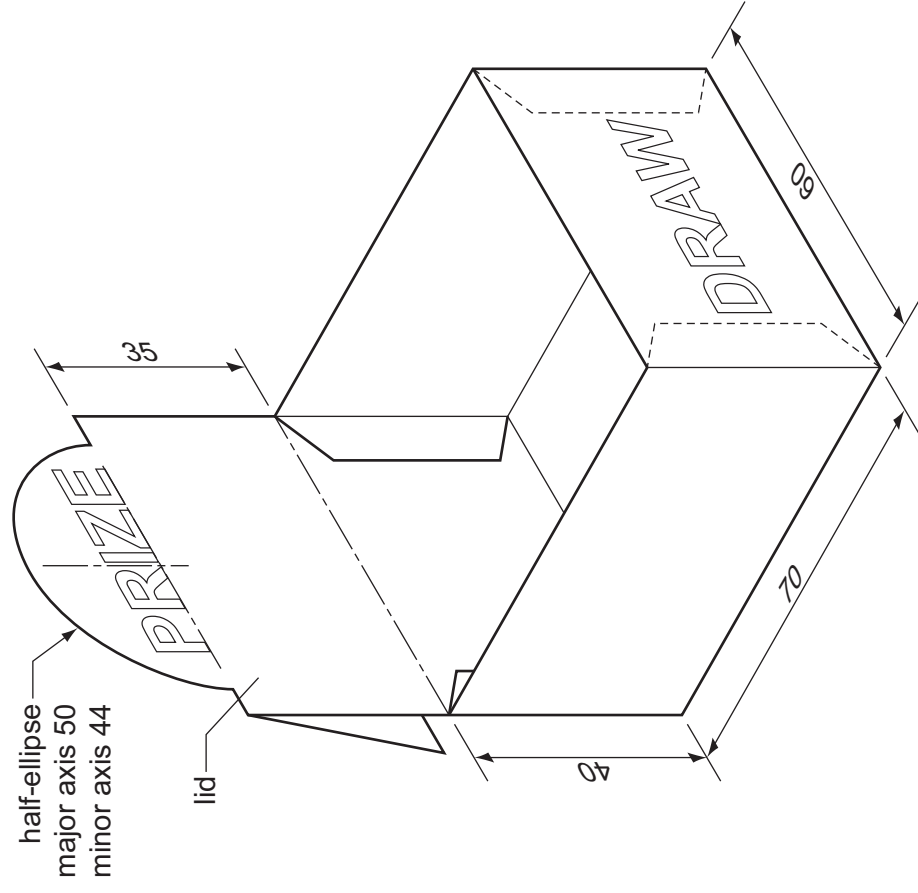
(a) In the space to the right, draw a full-size isometric view of the trophy. [8]

(b) Apply thick and thin line technique to the regular octagon **only**, to enhance its appearance. [2]



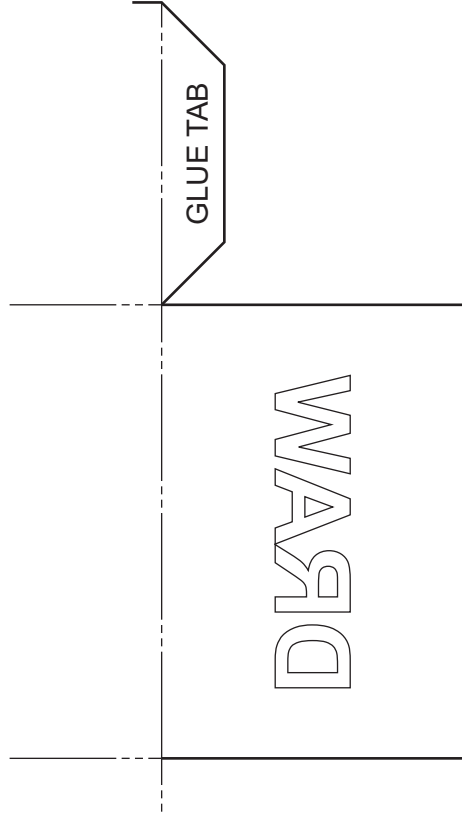
**Section B**  
Answer either question B4 or B5.

**B4** The sketch below shows a prize-draw ticket box used at the swimming club. The box is made from a one-piece development of thin card. Half of the box lid folds back to leave a half-elliptical shape for the word PRIZE.



(a) In the space on the right, complete the drawing of a full-size, one-piece development (net) of the box. The front of the box and one glue tab have been started for you. Include the remaining glue tabs required to make the box. [21]

(b) In the space below, use sketches and notes to show a method of holding the two halves of the folding lid together in the open position without using glue. [4]



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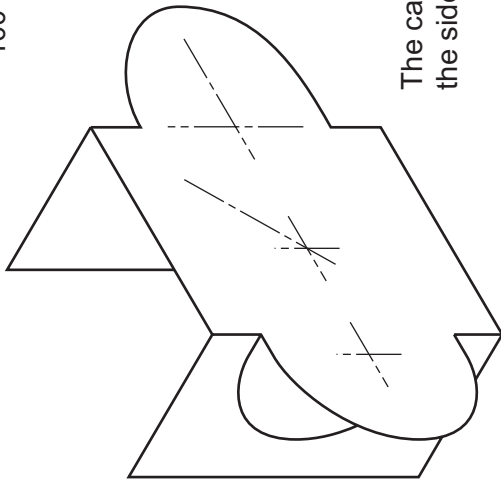
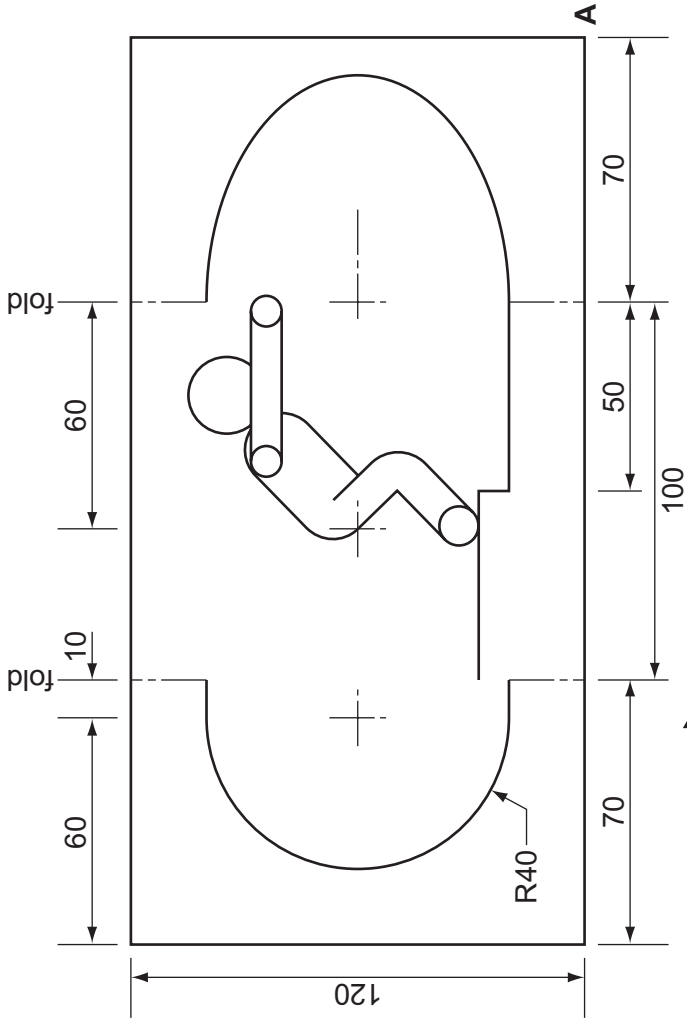
Candidate's Number .....

Candidate's Surname .....

Other Names .....

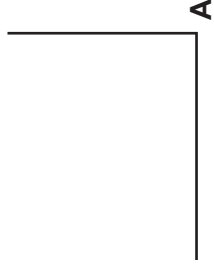
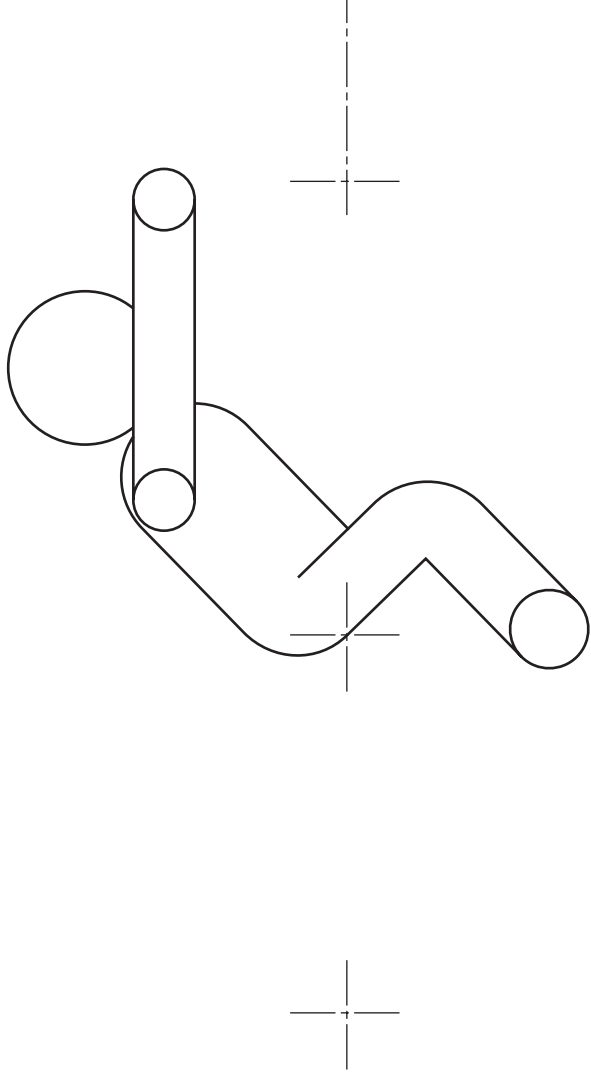
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**B5** The drawings below show details of a greetings card that is to be sent to swimming club members. The card is pre-punched so that the sides can be folded back.



semi-ellipse  
major axis 120  
minor axis 80

The card can be made to stand when the sides are folded back.



(a) Draw on the centre lines given to the right, a full-size view of the complete card before folding. Corner **A** has been given. [18]

(b) Project a plan from the full-size view with the sides folded back at 90°. [3]

(c) In the space below, use sketches and notes to show how an additional piece of card can hold the two sides at 90° without the use of glue. [4]