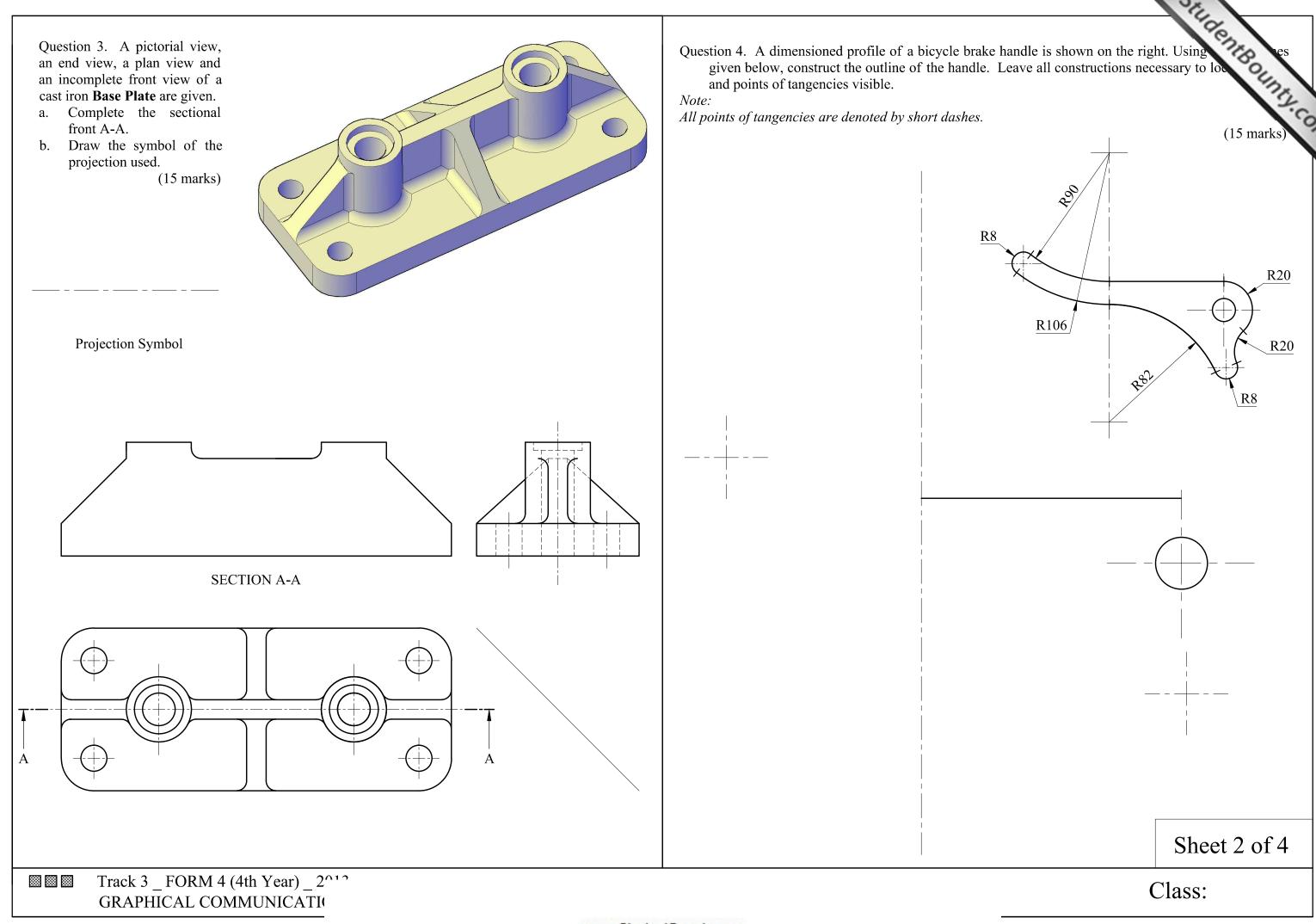
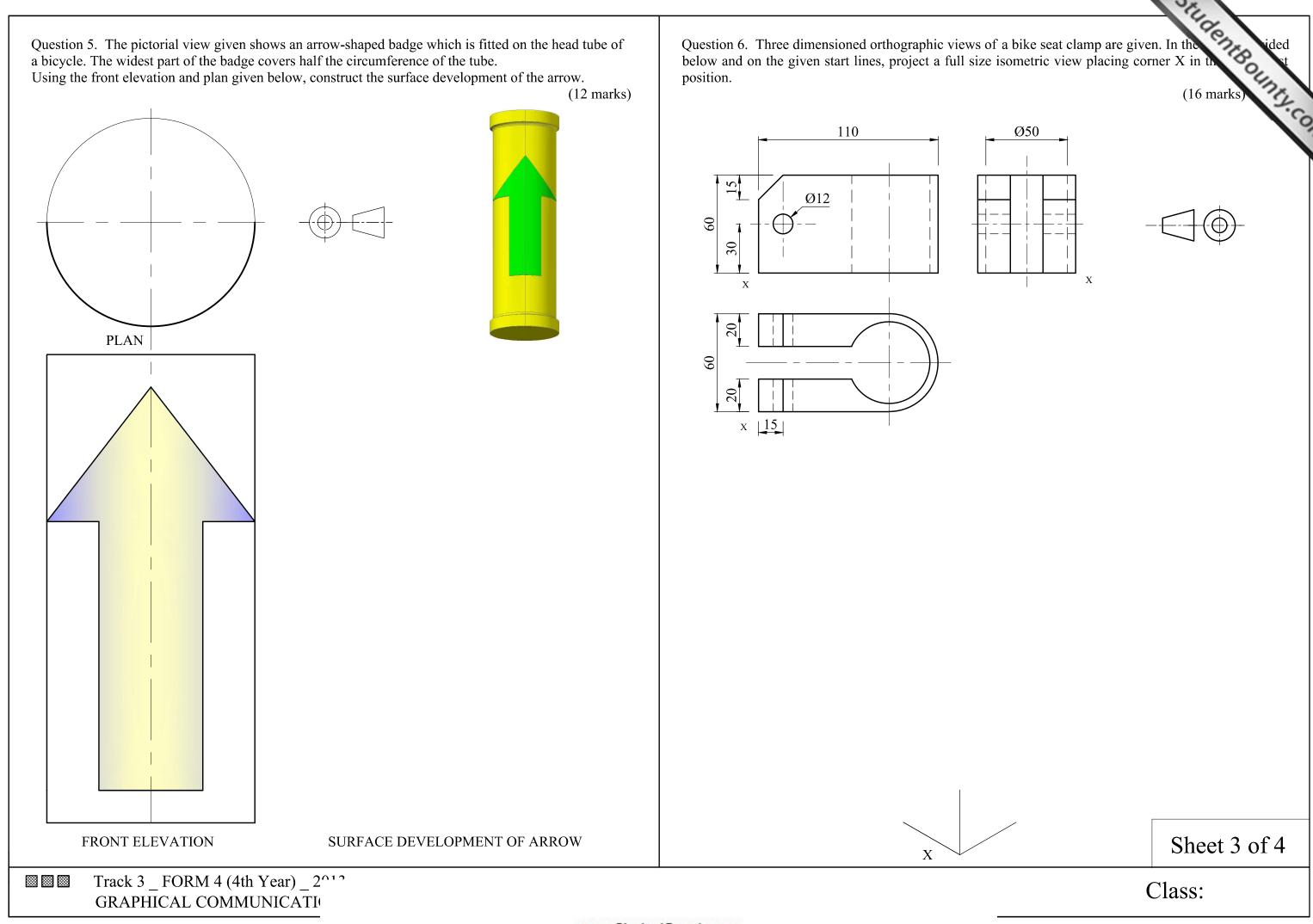
Question 1. A drawing of a motor bike logo is shown below. By means of geometrical construction, line Question 2. The profile of a cyclist on AB has been enlarged to A₁B₁. a motocross bike is given on the right. Starting from the given position, the Complete the construction to enlarge the whole drawing using centre P as the pole. Name of curve..... rear wheel is to turn forward for half a Notes: The centres of the two arcs are marked Q and R. revolution on a horizontal platform Construct the left-hand side of the logo and mirror copy (reflect) the right-hand side. and continue another half revolution (10 marks) down the slope without slipping. Name of curve..... Using the given start lines below: a. Trace the locus of point P. b. State the name of the curves traced (in the spaces provided). (14 marks) +R Sheet 1 of 4

Track 3 FORM 4 (4th Year) 2¹²
GRAPHICAL COMMUNICATION

Class:

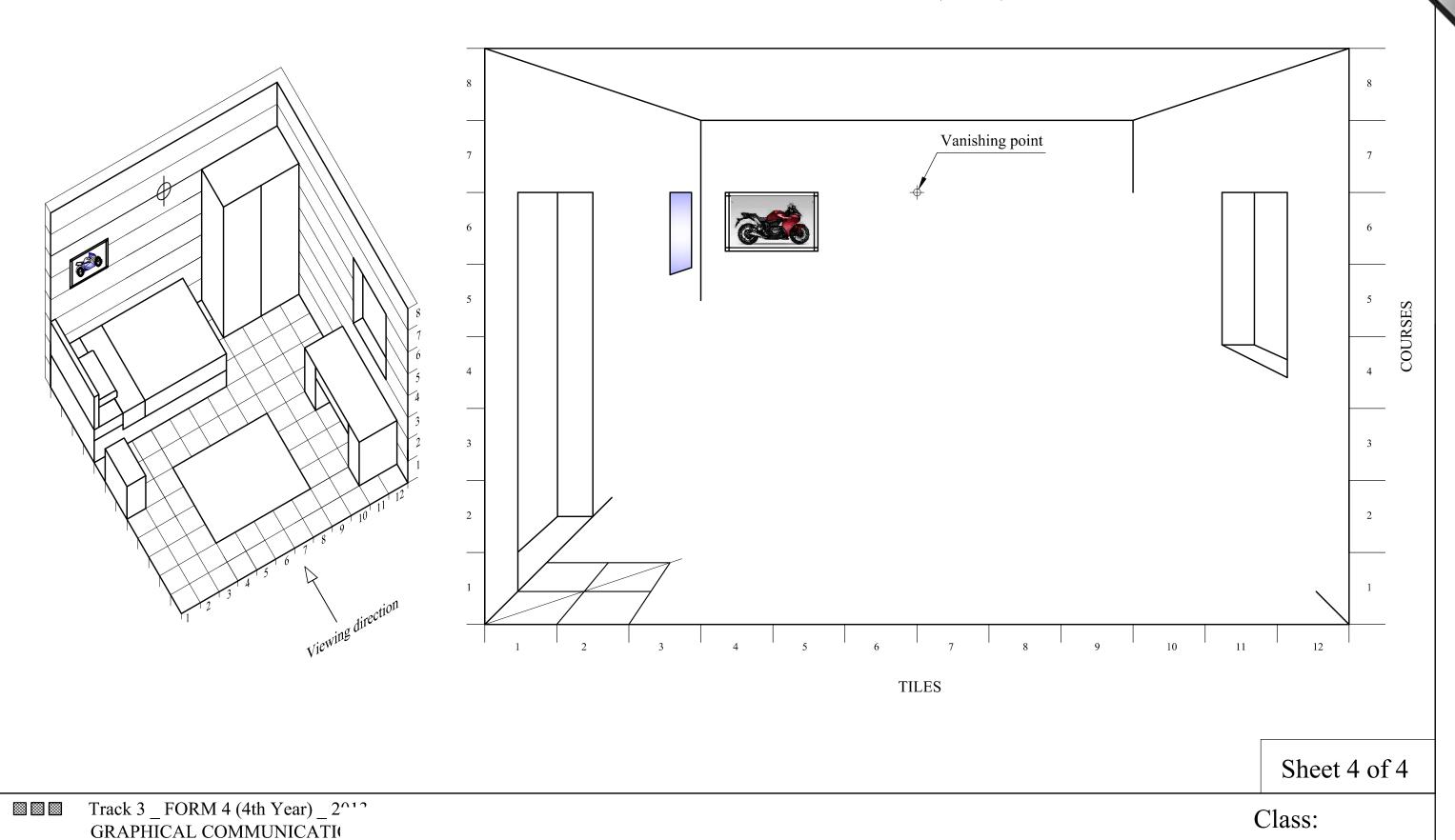




Question 7. A complete planometric view of a student's room is given below. The length, width and height of the room is 12 units X 8 units. The start lines of a perspective view of the room are also given below. The vanishing point is indicated and the floor tiles and courses are numbered. Complete the **estimated single-point perspective view** by following the given steps:

- a. Complete the construction of the floor tiles (12 tiles x 12 tiles).
- b. Insert the furniture and the carpet (use the tiles and courses to determine the dimensions).
- c. Line in with a bold outline the visible tiles, carpet and furniture.

(18 marks)



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