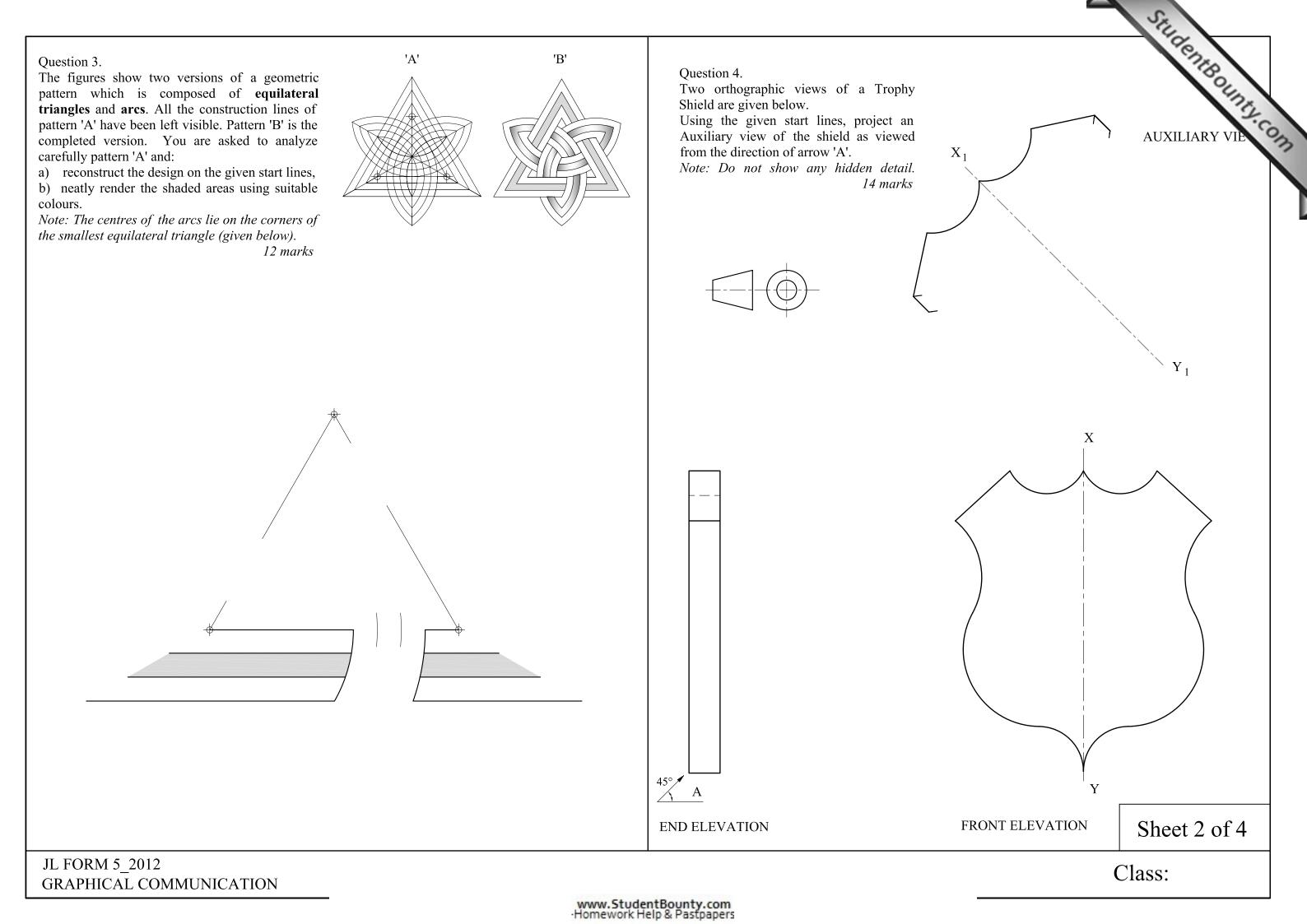
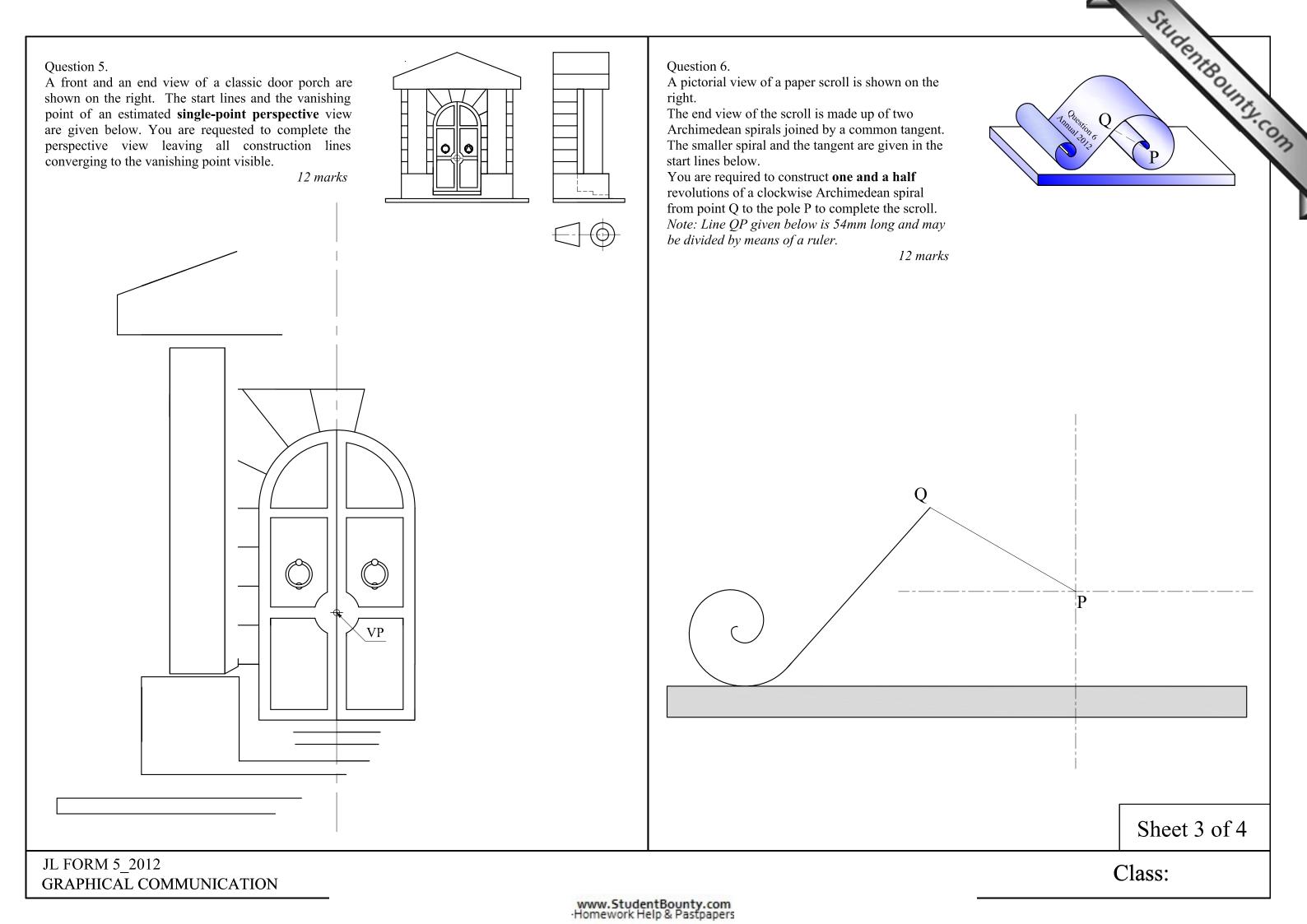
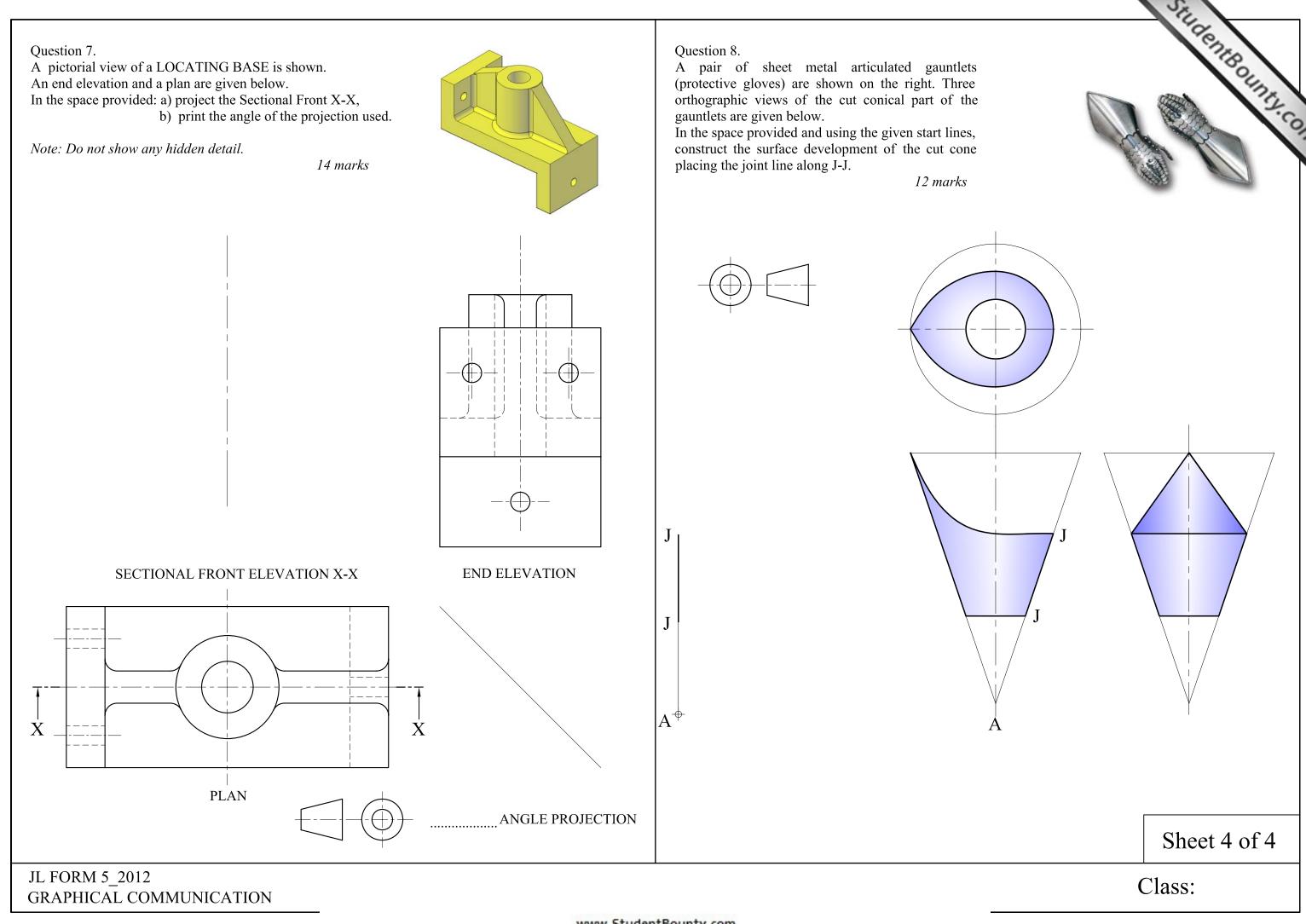
Question 1. Ouestion 2. The figure on the right shows a simplified classic A simplified version of a classic Roman helmet is shown on the right. Roman typeface of the letter R. An incomplete version of the helmet is given below. Using the start lines given below and to the given $\mathbf{B}_{\!\!\!\perp}$ Using the given start lines, complete the drawing by constructing: dimensions, construct geometrically the typeface. All A part ellipse PQ (major axis 134mm, minor axis 120mm). constructions to locate the centres and the points of A normal to the ellipse at point R and extending to T. tangencies are to remain visible. c. A semi circle RT having its centre lying on normal RT. *Notes:* 12 marks A and B are the centres of two equal semi circles. Centre C lies on the vertical line marked C. D is the centre of the R55 arc. R90 E is the centre of the R20 arc. *F* is a tangential point of semi circle *A* and arc *D*. E. R20 The vertical and horizontal start lines given below are all tangents to the respective arcs in contact. 12 marks / R Sheet 1 of 4

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