

Question 1

Draw a borderline and a title (name) block on one side of your drawing paper.
In the appropriate space, print in freehand simple block letters:

- (a) Your surname and name.
- (b) Your class.
- (c) Date.
- (d) Annual Examination.
- (e) In the middle spaces of your title block, write down the name of the drawing in question no. two i.e. **ANGLE BRACKET**

(10 marks)

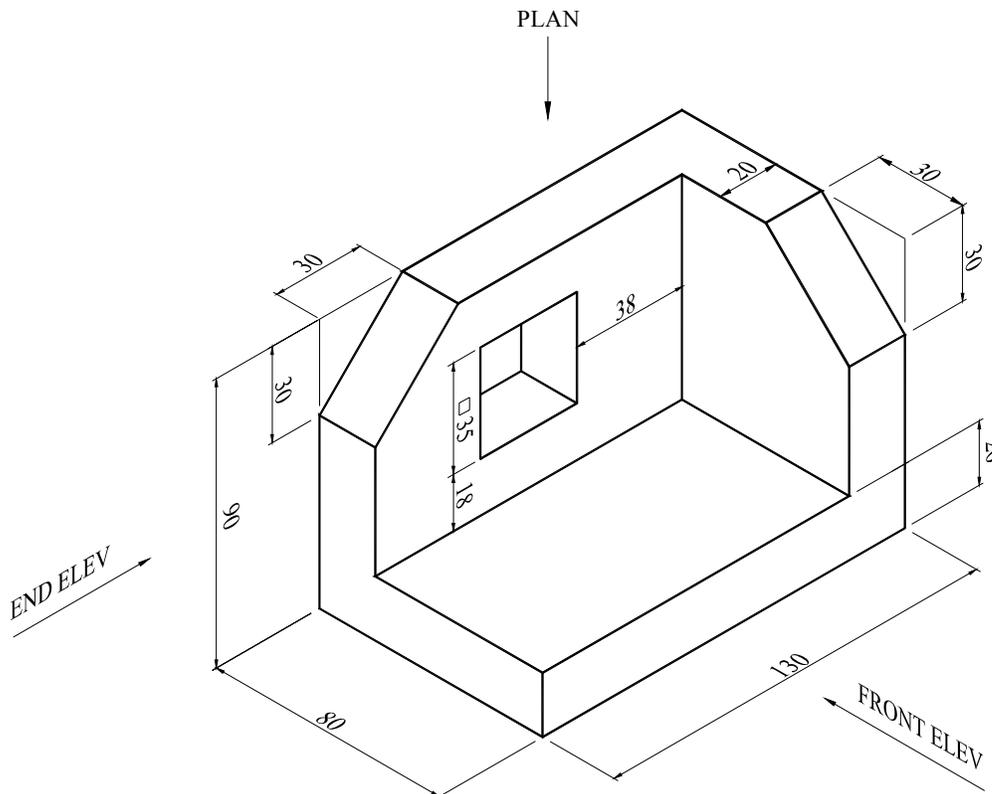
Question 2

The figure below shows the drawing of an **ANGLE BRACKET**.
To the dimensions given draw:

- (a) A front elevation. 13 marks
- (b) An end elevation. 12 marks
- (c) A complete plan. 10 marks

Total: (35 marks)

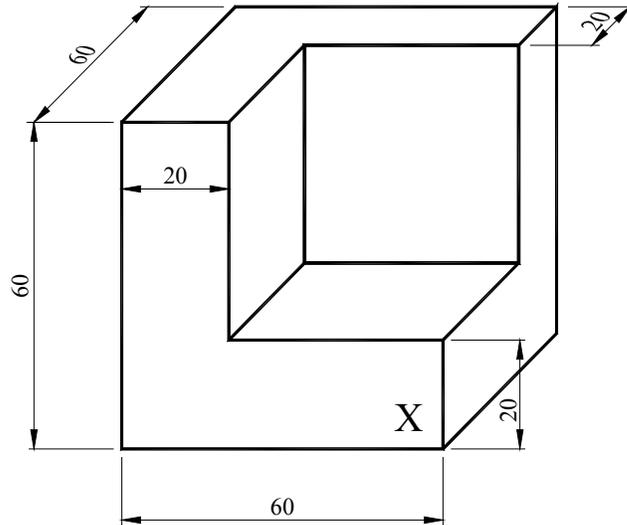
N.B: □ represents a square



Question 3

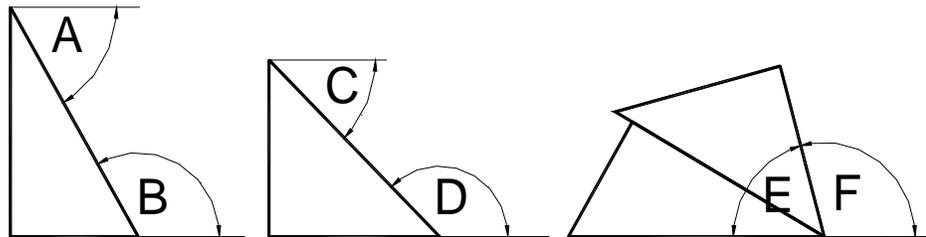
The figure below shows a pictorial view of a shaped block. Instead of the given drawing you are required to draw **full size**, an **isometric view** of the block, with corner **X** as the lowest point.
 Note: The given drawing is not drawn to scale.

(18 marks)



Question 4

(a) The drawing below shows a 45° and 60° set squares. Find angles A, B, C, D, E and F in the drawing.



(b) Using your compasses only, construct separately the following angles:
 Angle (i) 45°; (ii) 60°; (iii) 135°; (iv) 150°.

(19 marks)

P.T.O

Question 5

- (a) Construct a **rhombus** given that its diagonals are 120mm and 90mm long.
- (b) Construct a regular **hexagon** of 50mm sides .
- (c) Draw, using geometrical construction, a regular **octagon** within a circle of 100mm diameter.

(18 marks)