

QUESTION No. 1

The drawing shows a logogram for a jewellery shop. The logo uses quadrilaterals and triangles.

- (a) Draw the logogram to the given dimensions using the given center line.
N.B. Lines marked with arrows are parallel.
- (b) Name Quadrilaterals A and B

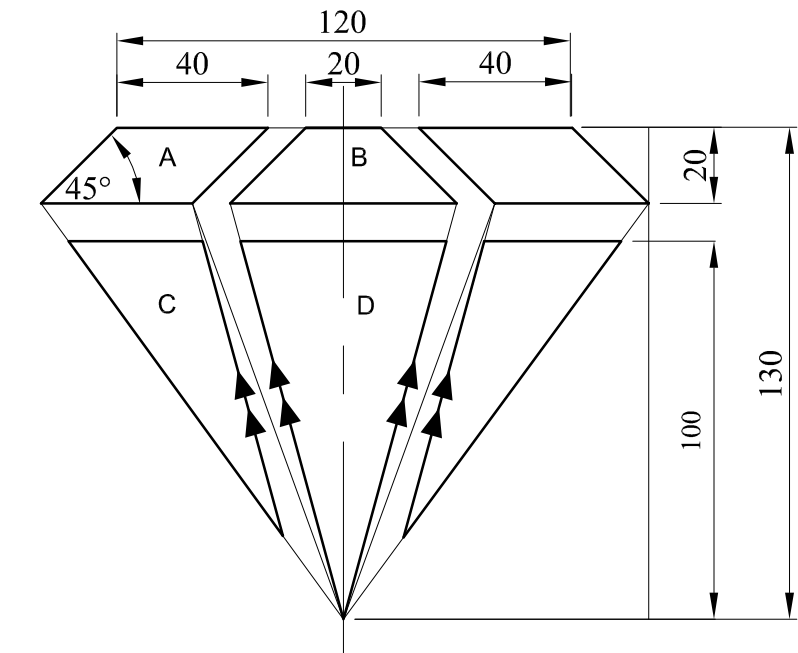
A = _____

B = _____

- (c) Give the name of triangles C and D by sides

C = _____

D = _____



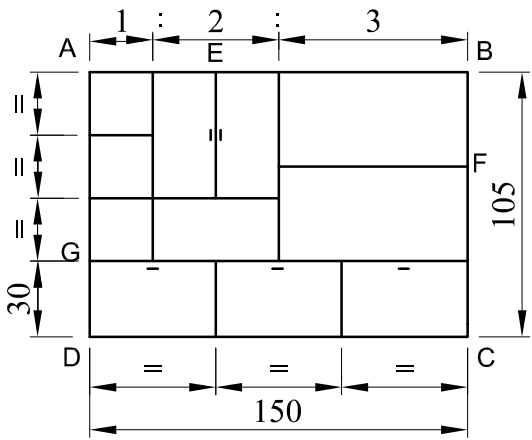
(14 marks)

QUESTION No. 2

The figure shows a wall unit. Using line AB below as start line, draw the unit.

- (a) Line AB is divided in the ratio of 1:2:3
(b) Lines CD and AG are divided into 3 equal parts
(c) Points E and F are found by bisecting the appropriate lines

Full construction for questions a, b, and c above must be shown. Add handles as shown in fig. above using appropriate proportion for size. (14 marks)



A _____ B



QUESTION No. 3

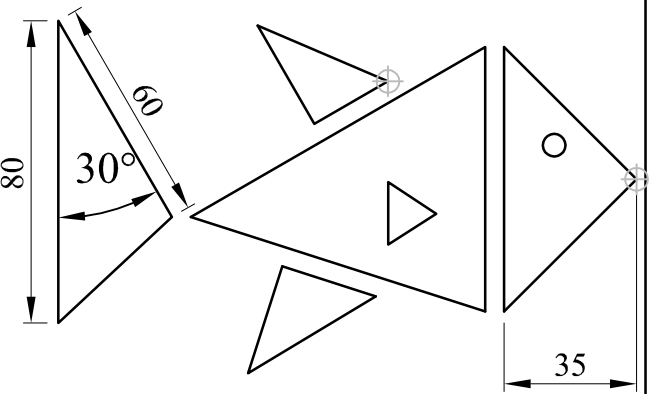
Construct a triangle having AB as base and sides AC and BC 75mm and 65mm respectively.
Circumscribe a circle to the drawn triangle. (8 marks)

A _____ B

QUESTION No. 5

The diagram shown is the logo of Qajjenza Fishing Club. Complete the drawing by constructing:

- a. The **fish's head** on the base provided, given that it is an **isosceles triangle** with a 35mm **altitude**.
 - b. The **tail** with base 80mm, side 60mm and included angle 30° . (show construction for the 30° angle)
 - c. The **top fin** which is a triangle having a perimeter of 90mm and ratio of sides 3:4:5.
- N.B.** First construct the triangle on line AB which is the perimeter and then transfer the triangle obtained in the diagram below. One of the sides is given for you.
Leave all construction for your drawing. (15 marks)

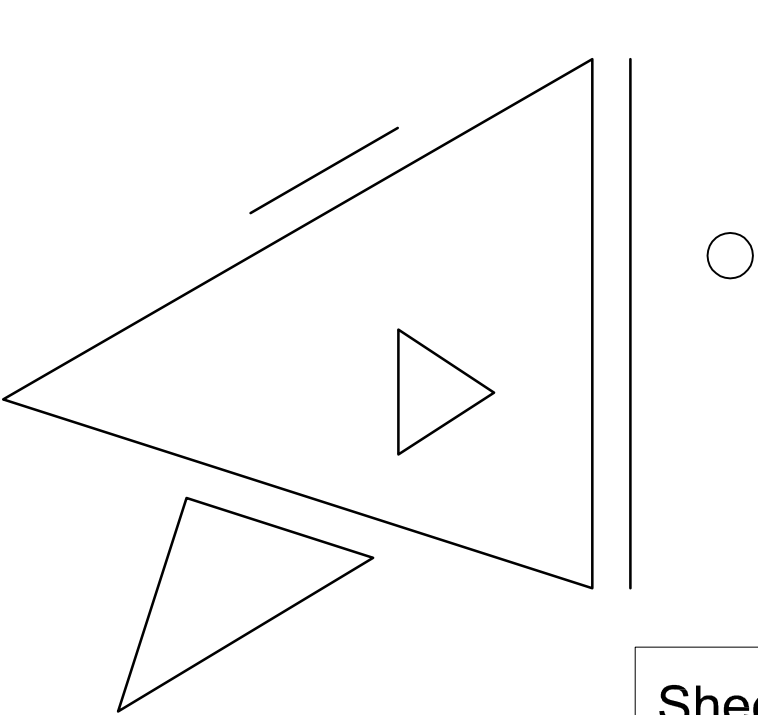


A _____ B

QUESTION No. 4

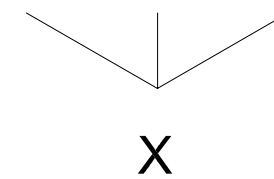
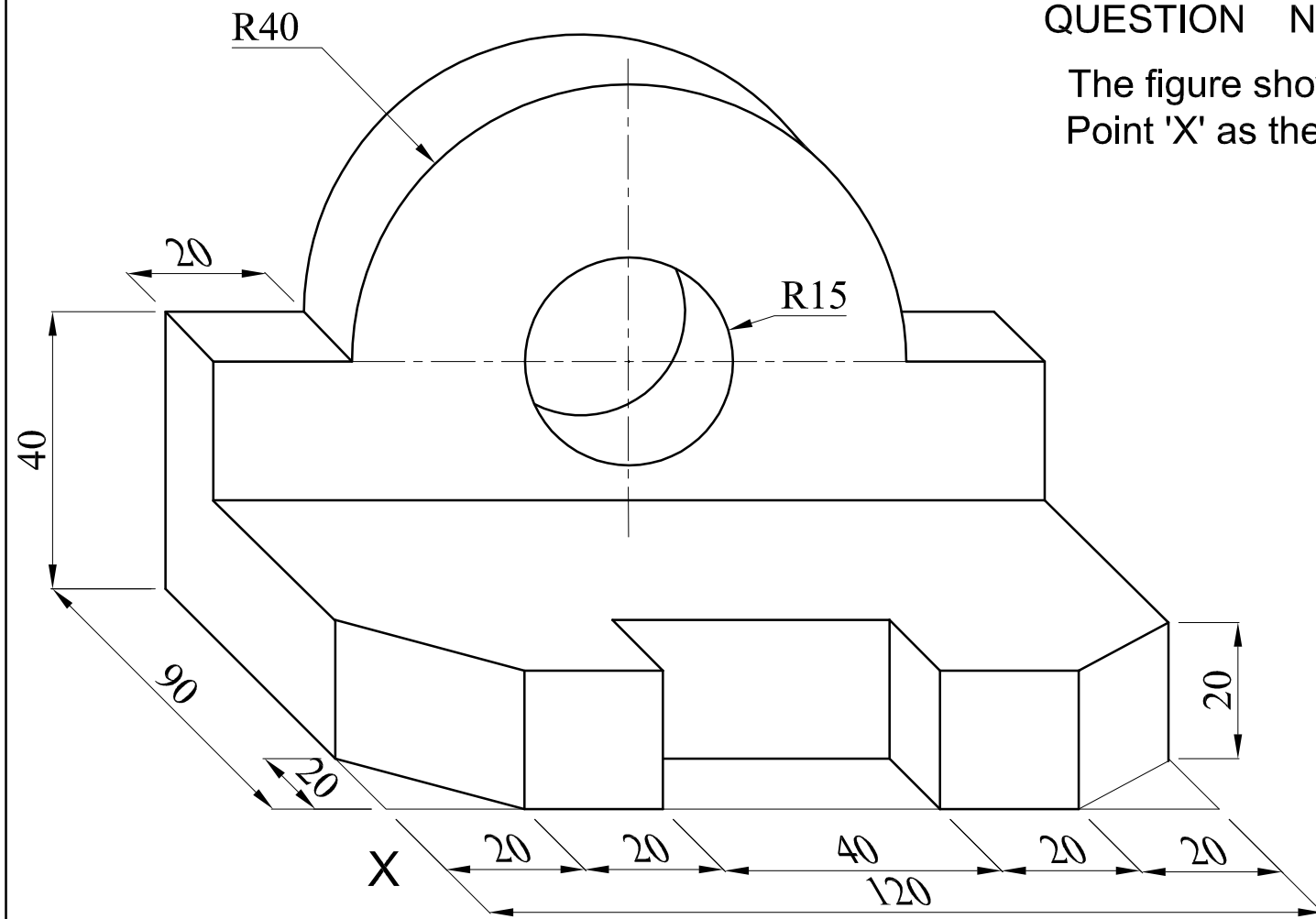
Construct a triangle having AB as the base and base angles 60° and 30° . Inscribe a circle to it. (10 marks)

A _____ B



QUESTION No. 6

The figure shows an **Oblique View** of a shaped block. On the start lines given taking Point 'X' as the lowest point in the foreground, draw an **Isometric View** of the block. (14 marks)



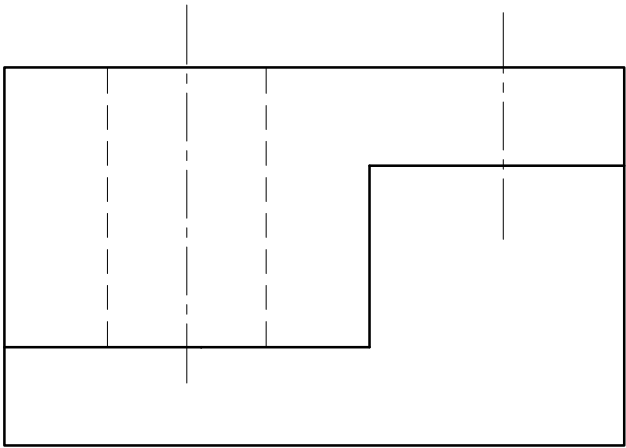
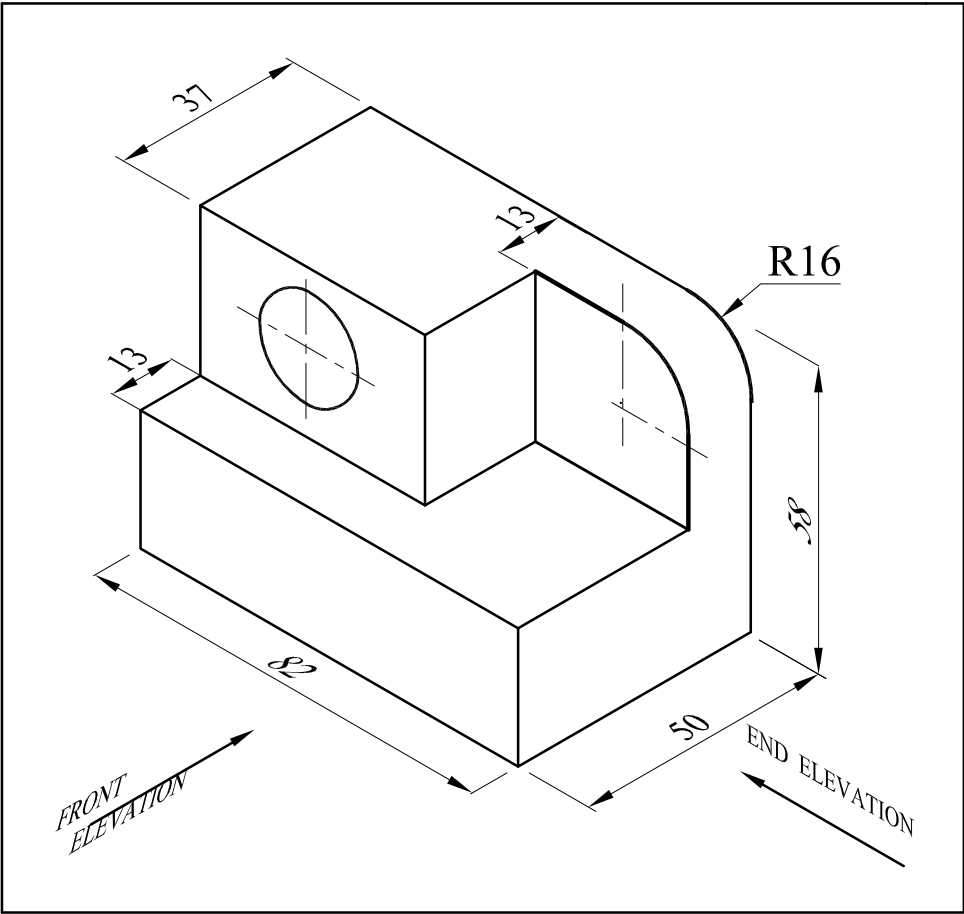
QUESTION No. 7

The figure below shows a pictorial view of a **PRECISION BLOCK**

Draw full size in 1st angle projection:

- (a) a Front Elevation and
- (b) an End Elevation
- (c) Show also in your drawing the symbol of projection used
- (d) In the Name Block provided below print in freehand simple block letters the missing items namely:
NAME, DATE, TITLE (Name of Object) and SCALE.

(25 marks)



PLAN

ORTHOGRAPHIC PROJECTION SYMBOL

SCALE 1:1

Sheet 4 of 4



NAME:

CLASS: