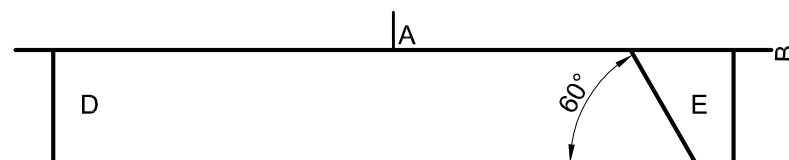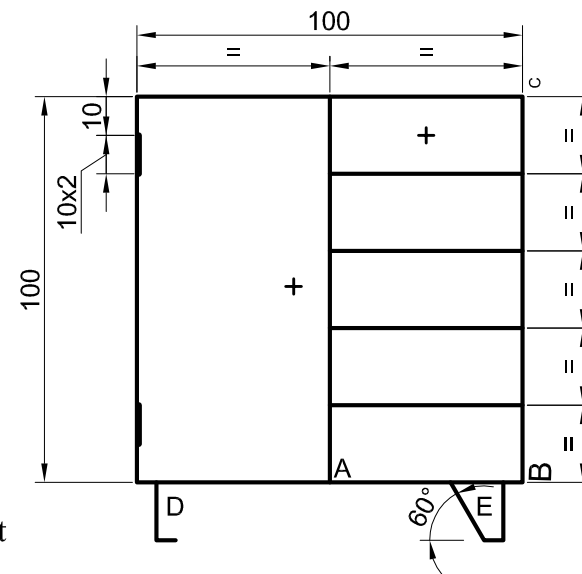## Working sheet
Question 1

The drawing shows a Front Elevation of Cupboard in a classroom

➢ Draw the outline of 100 mm x 100 mm including hinges
➢ Erect a perpendicular line by construction from point `A`
➢ Draw five drawers at Equal intervals
➢ Locate and draw the drawer handles at centre. First drawer is given
➢ Complete the legs by constructing a 60° angle for leg shape
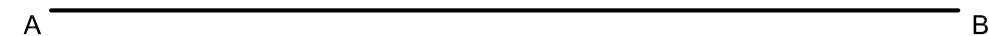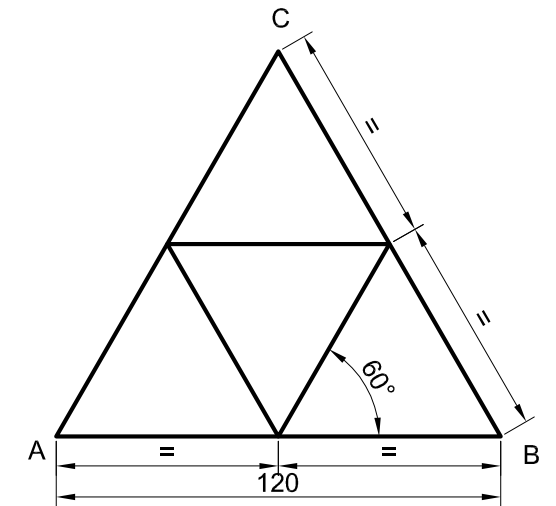
Show all Constructions.

11 marks

SCALE 1:1

Working sheet
Question 2

Using the compass construct an **equilateral triangle** with sides of 120 mm.
Bisect the base AB and side CB to obtain the midpoint and on side AB again draw the small equilateral triangle standing on its Apex angle.

Show all construction to obtain the equal divisions.

11 marks

SCALE 1:1

Sheet 1 of 5

Working sheet
Question 3

(i) The drawing shows a regular Hexagon.
   Base AF is given . Complete side AB by
   constructing an angle of 60°. Then locate points
   CDE and F by set square and compass (show arcs)
(ii) bisect lines AB and EF to obtain points GH
   and draw an equilateral triangle GHI.

Show all Constructions.

C   i   D

B

60°

g   h

E

A   50   F

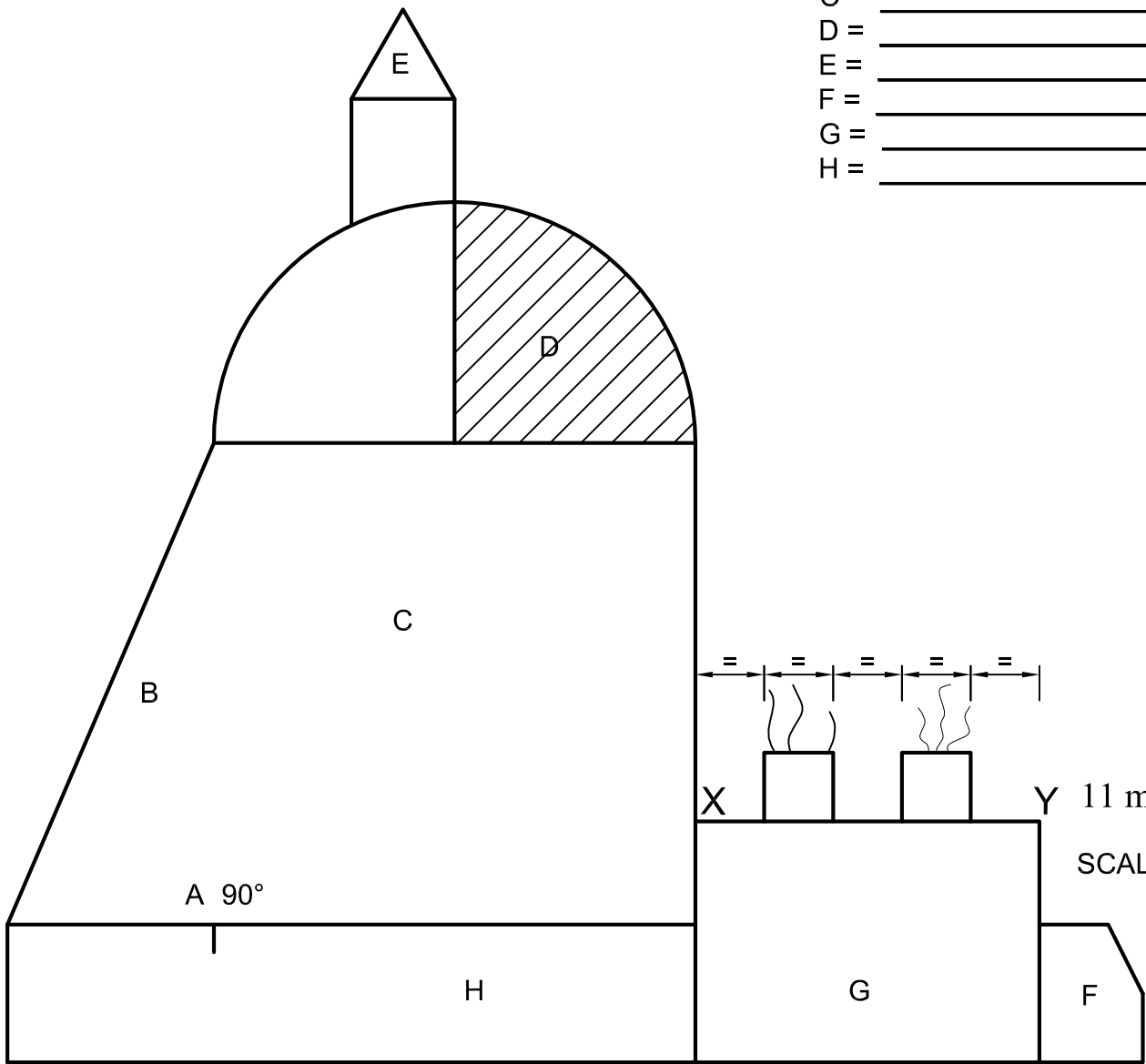12 marks

SCALE 1:1

A   F
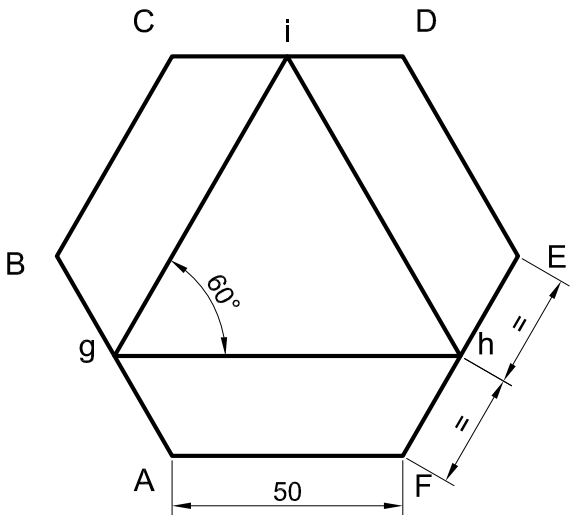
Working sheet
Question 4

(i) The figure is made up of different shapes. Name
   the parts B,C,D,E,F,G and H.
(ii) By constructing an angle of 90°, erect a line from
   point `A`
(ii) Divide line XY into 5 equal parts to obtain
   the width of the chimneys.

Show all constructions to obtain the equal divisions.

B = _____
C = _____
D = _____
E = _____
F = _____
G = _____
H = _____

E

D

C

B

X   Y   11 marks

SCALE 1:1

A 90°

H   G   F

Name:

Class:
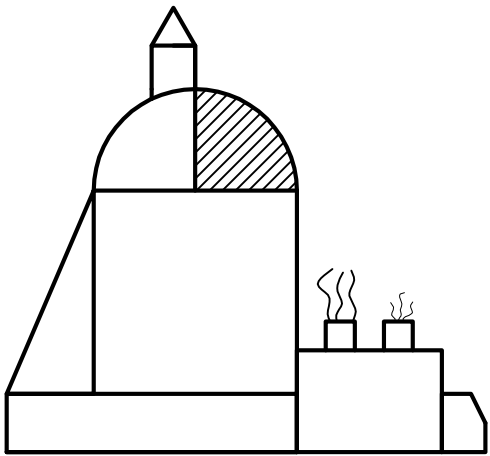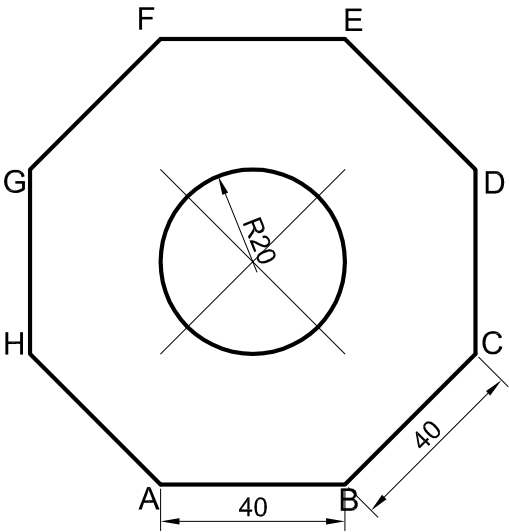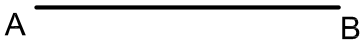
Working sheet
Question 5

The drawing shows an engineering NUT.
On the given start line, draw full size the figure
shown.
Show construction to draw line `AH` at 45°.
Show construction to erect a line perpendicular at 90°
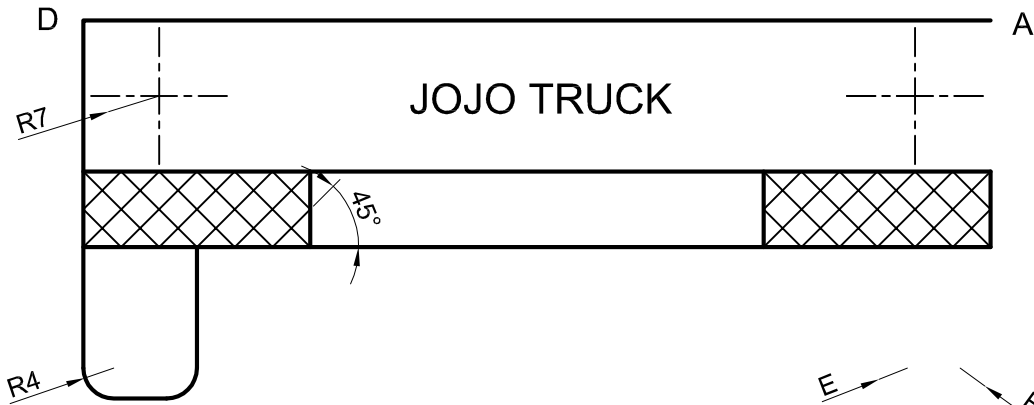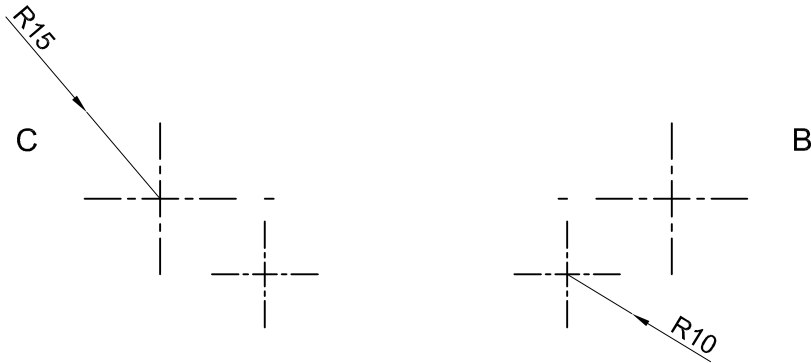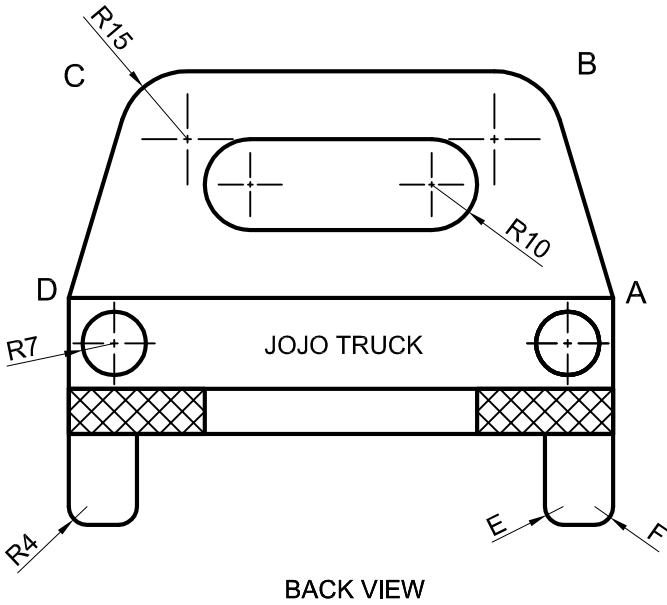from A to find point F.

Leave in all construction lines.

F

A ———— B

12 marks

SCALE 1:1

Working sheet
Question 6

An incomplete **BACK VIEW** of a truck is shown.
Draw the back view to a scale of 1:1.

Clearly show your constructions for finding the
centres of all blending arcs and for tangents AB and
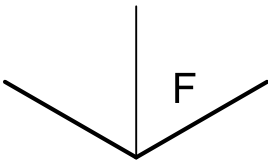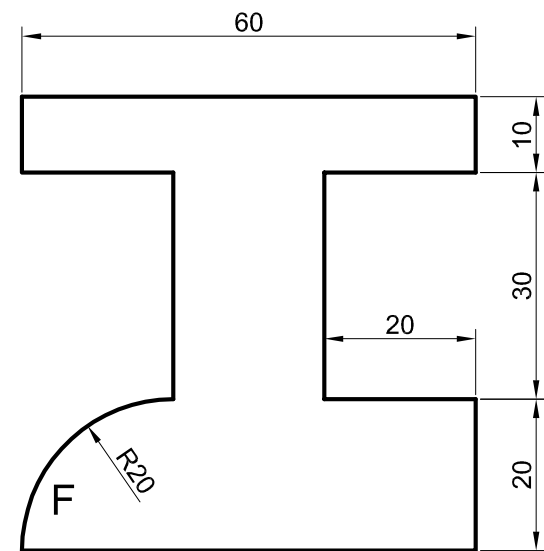CD.

JOJO TRUCK

BACK VIEW

JOJO TRUCK

BACK VIEW

13 marks

SCALE 1:1

Sheet 3 of 5

FORM 3_1st Year_Half-Yearly 2012/13
GRAPHICAL COMMUNICATION
Code 1004_2012 / 13

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Boys` Secondary Kirkop

Name:

Class:

Working sheet
Question 7

The Figure shows a side elevation of a **BEAM.**
To the dimensions shown, draw an **Isometric projection**
given that the depth of the beam is 60 mm

60

10

30

20

20

R20

F

12 marks

F

FORM 3_1st Year_Half-Yearly 2012/13
GRAPHICAL COMMUNICATION
Code 1004_2012 / 13

KULLEĠĠ SAN BENEDITTU
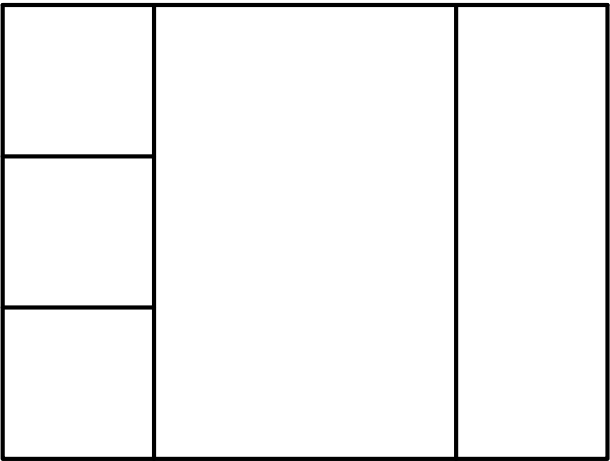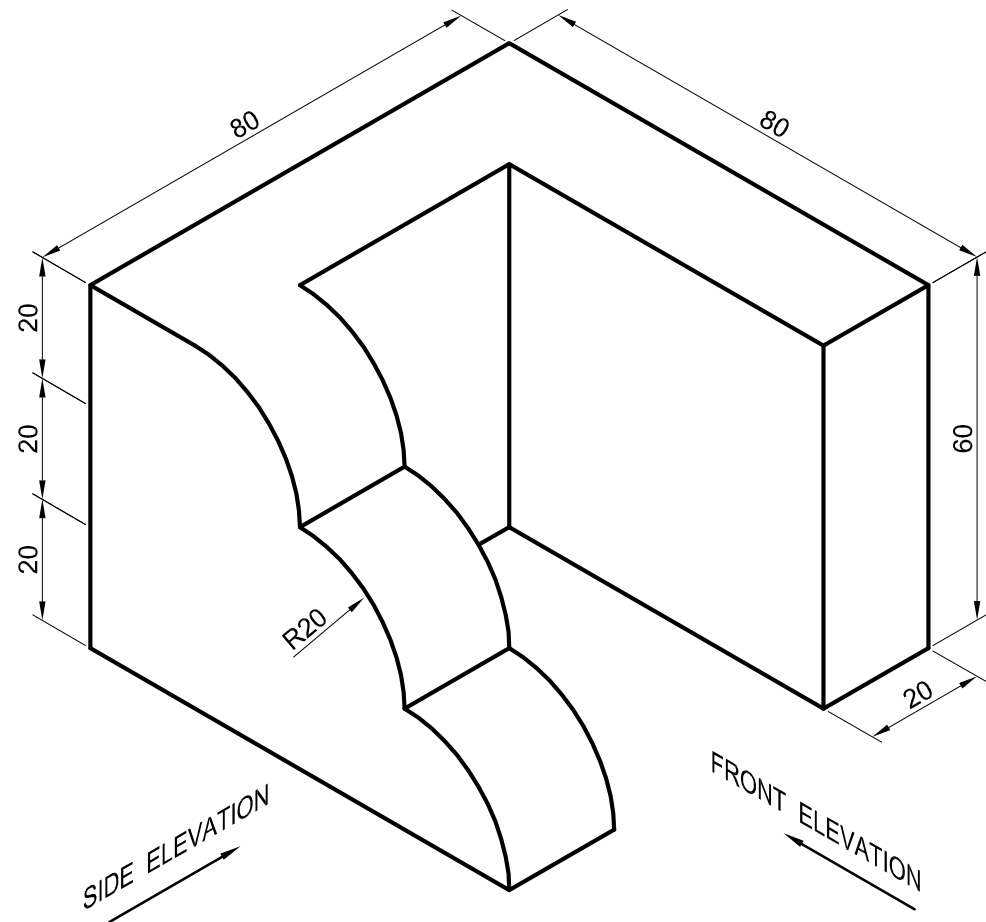Boys` Secondary Kirkop

Name:

Class:

Working sheet
Question 8

The figure shows a pictorial view of a **BLOCK**.
Its front elevation is given.
To the dimensions given draw the following
views.
(a) a side elevation as seen from arrow direction
(b) a complete plan
(c) the **symbol** for the projection used
(d) the **scale** use
(e) Insert all hidden lines

Show all Constructions.

FRONT

SIDE

PLAN

SCALE

Projection

18 marks

80

80

20

20

20

R20

60

20

SIDE ELEVATION

FRONT ELEVATION

Sheet 5 of 5

Name:

Class: