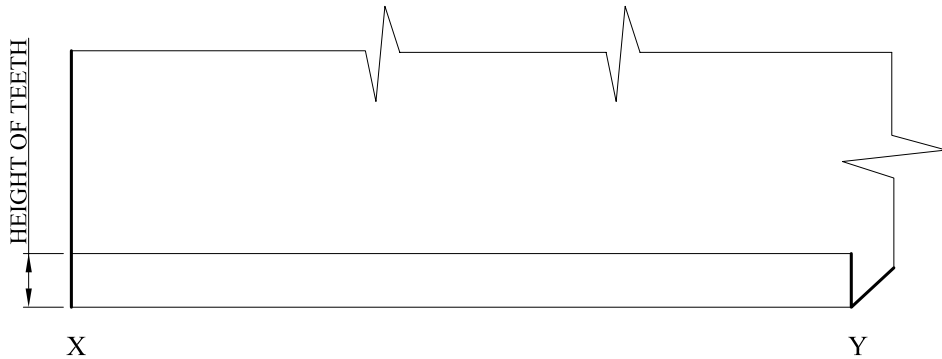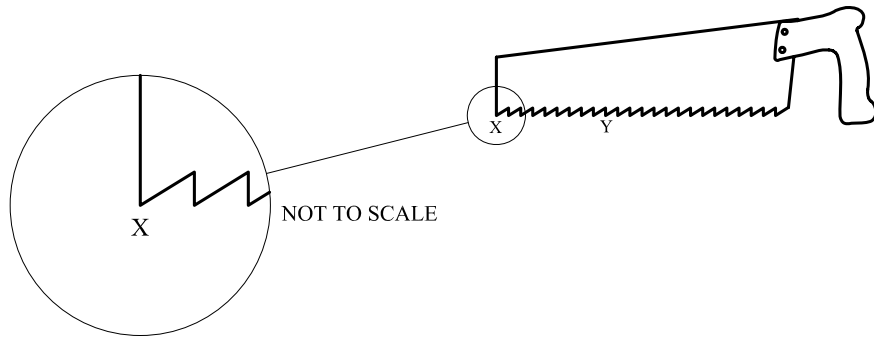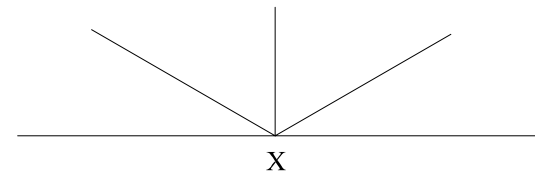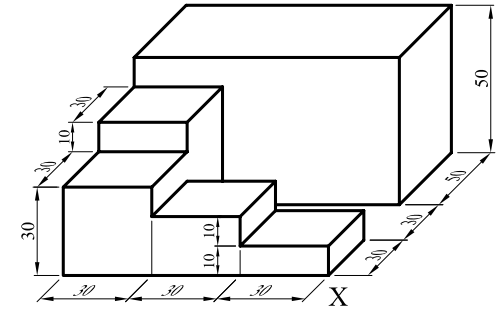QUESTION 1. In the title (name) block provided below, print in freehand simple block letters: your surname and name, your class and date. As a *NAME OF OBJECT* write **STEPPED BLOCK.**

6 marks

QUESTION 2. The drawing shows a toy saw. Part of the saw blade is enlarged to enable the shape of the teeth to be clearly shown. On the start lines given below, construct geometrically the first nine teeth between X and Y similar to the ones shown. Start by dividing XY into nine equal parts using set-squares and necessary construction.

14 marks

X

NOT TO SCALE

HEIGHT OF TEETH

X   Y

QUESTION 3. The figure at the side shows a pictorial view of a block consisting of four stairs leading to a platform.
Using the start lines given below, draw an isometric projection of the block, putting X as the lowest corner.

20 marks

50
30
10
30
30
10
10
30
30
30
30
30
X

X

Question 1.

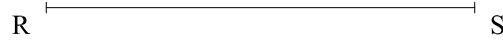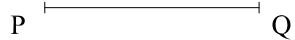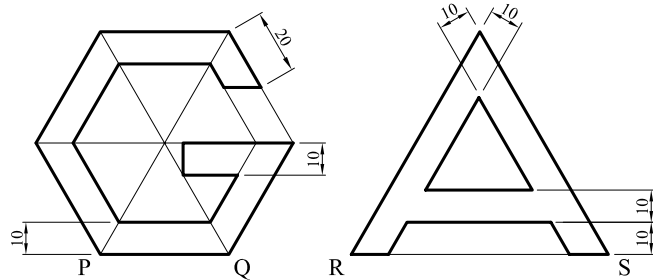EDUCATIONAL ASSESSMENT UNIT   NAME OF OBJECT: NAME: DATE: CLASS:

QUESTION 4. A shop sells various types of home appliances. The logo of the shop is " G A " which represents the words *General Appliances.*
Using the given start lines and to the given dimensions, construct:
a) on line PQ, the letter G which is based on the construction of a **regular hexagon**,
b) on line RS, the letter A which is based on the construction of an **equilateral triangle**.
All construction lines must be shown..

16 marks

QUESTION 5. The drawing of a modern fighter plane as seen from above is shown.
Complete the design given below by drawing the missing angles as follows:
the 45° angle at A is to be drawn by construction, using the compasses,
the 30° angle at B is to be drawn by set-square,
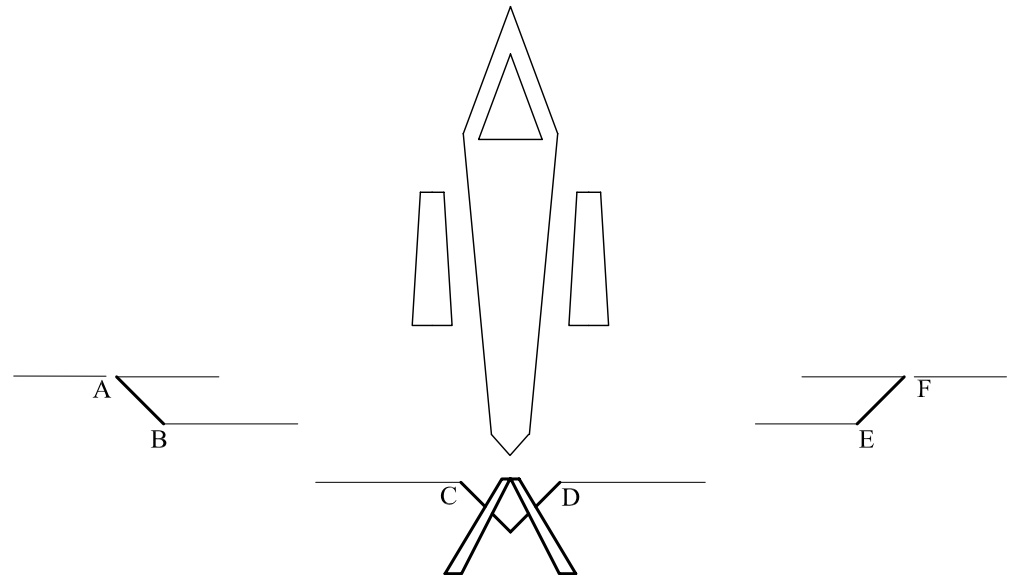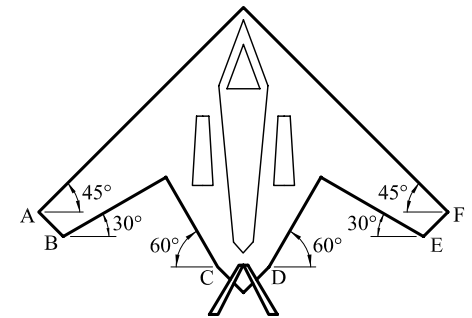the 60° angle at C is to be drawn by construction, using the compasses,
the 60° angle at D is to be drawn by set-square,
the 30° angle at E is to be drawn by construction, using the compasses and
the 45° angle at F is to be drawn by set-square.
All construction should be clearly shown.

14 marks

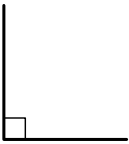Educational Assessment Unit   Name:_____   Class:_____

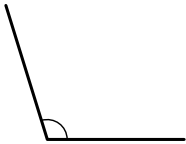QUESTION 6. Marks will be awarded for neat printing of your answers.
a) Three types of lines commonly used in Graphical Communication are shown below.
Choose the correct name from those given below and print it beneath each line in the space provided.
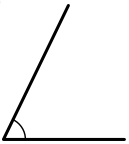
14 marks

(i) _____   (ii) ___ _ ___ _ ___   (iii) _____

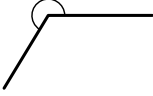_____   _____   _____
_____   _____   _____

Choose from: CONSTRUCTION LINE;   OUTLINE;   CENTRE LINE.

b) Choose the correct type of angle from those given below, which corresponds to the figures shown and print it in the space provided.
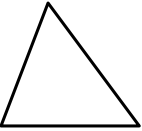
(i)   (ii)   (iii)   (iv)

_____   _____   _____   _____
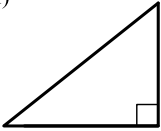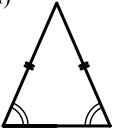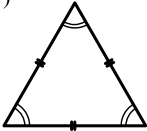_____   _____   _____   _____

Choose from: ACUTE;   REFLEX;   RIGHT-ANGLE;   OBTUSE.

c) Print down the correct type of triangle by choosing the right word from the names given below.

(ii)   (iii)   (iv)

(i)

_____   _____   _____   _____
_____   _____   _____   _____

Choose from: SCALENE;   ISOSCELES;   EQUILATERAL;   RIGHT-ANGLED

d) What type of pencil is commonly used in Graphical Communication?

Choose from: 2H   or   2B.

Your answer: _____

QUESTION 7. A Local Council needs a sign to indicate the area of the village bus or coach terminus.
a) Draw at least two rough sketches to develop this idea.
b) Select ideas from your sketches and in the rectangle given below make a final drawing of a **general sign**, in black and white, indicating the presence of a BUS or COACH TERMINUS. Make use of drawing instruments where necessary to finish your final drawing.
Note: Do not add words to your drawings.

16 marks

ROUGH SKETCHES

FINAL DRAWING

Educational Assessment Unit   Name:_____   Class:_____