Construct a pentagon in the given circle, and then construct the hexagon below it to complete the logo of a company called 'Poly Products'.

(14 marks)
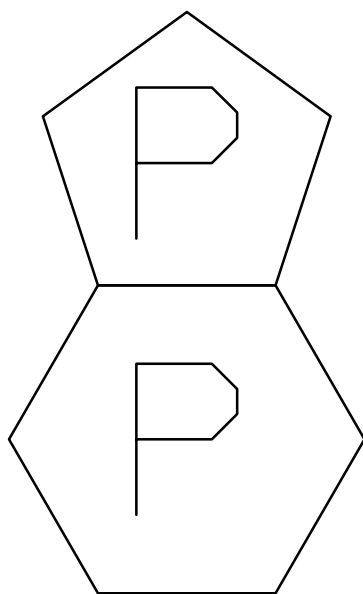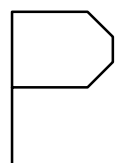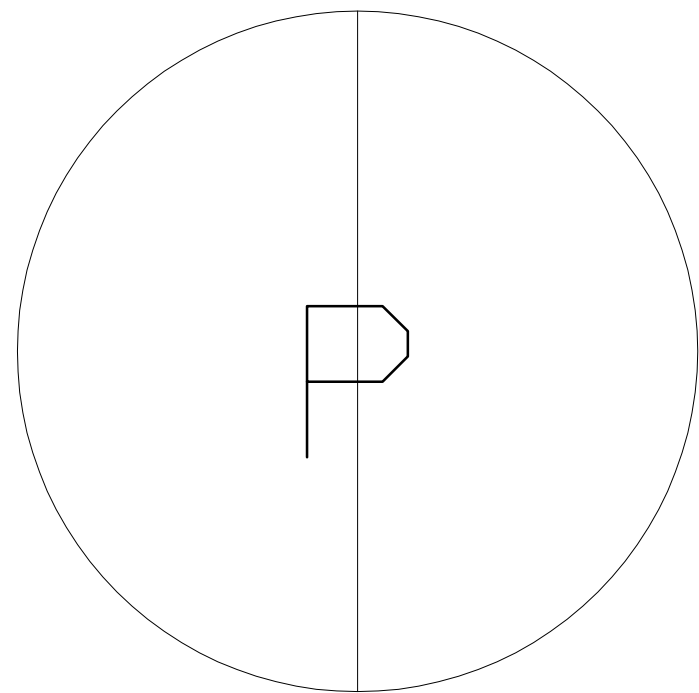
The 'Tex.co' logo below is missing two concentric circles of 60mm and 70mm radii. The star is centered exactly in the middle of the circles. Use the three point circle method to find the center and draw the missing circles.
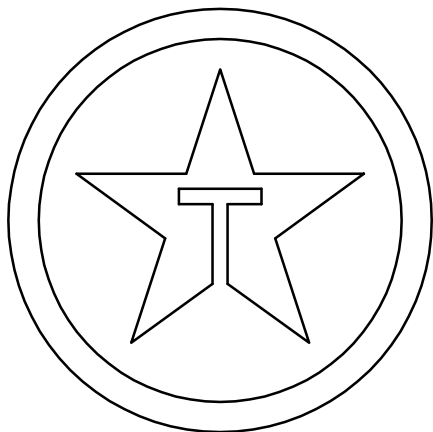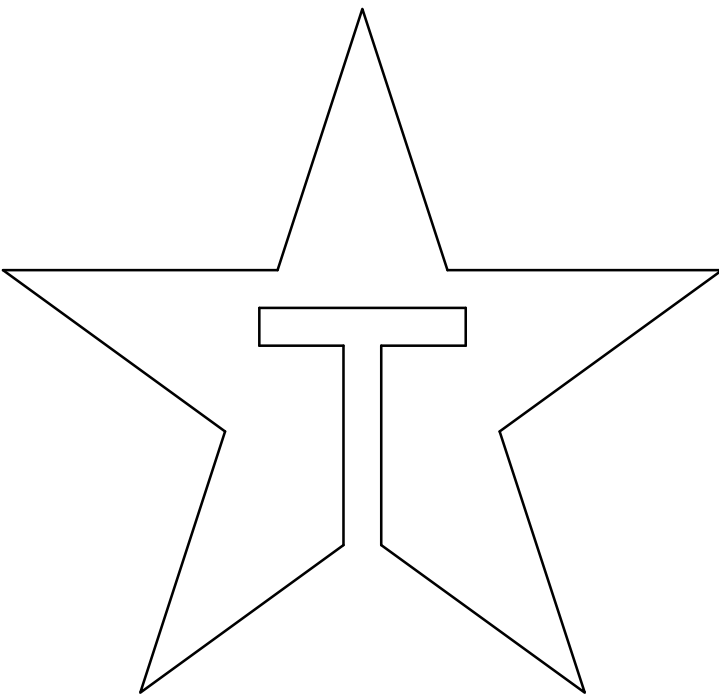
(12 marks)

Fig 1 'POLY PRODUCTS' LOGO

Fig 2 TEX.CO LOGO

Sheet 1 of 4

QUESTION No. 3

The figure shows the logo of 'V18 Yachts'. Using the
dimensions provided complete the logo on the given start lines.

(a) In triangle DEF:

Angle DEF = 90° - show construction

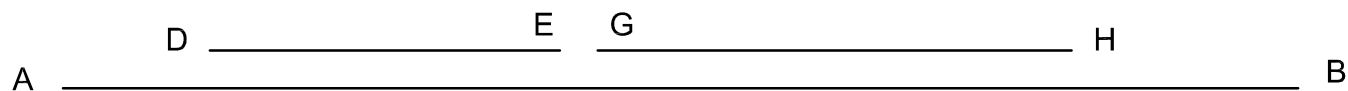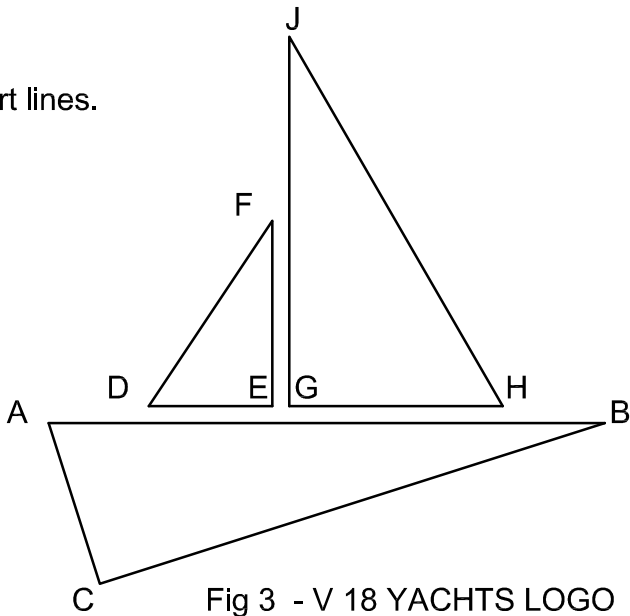DF = 71mm

(b)   In triangle GHJ:

HGJ = 90°

GHJ = 60° - show construction

(c) In triangle ABC line AB is the hypotenuse

AC = 45mm

ACB = 90°   (14 marks)

Fig 3 - V 18 YACHTS LOGO

QUESTION No. 4

A stationery company called 'Prott' wants to use a diagram of a correction-tape as their logo.
Complete the logo by locating the centers and drawing an inscribed circle and an escribed
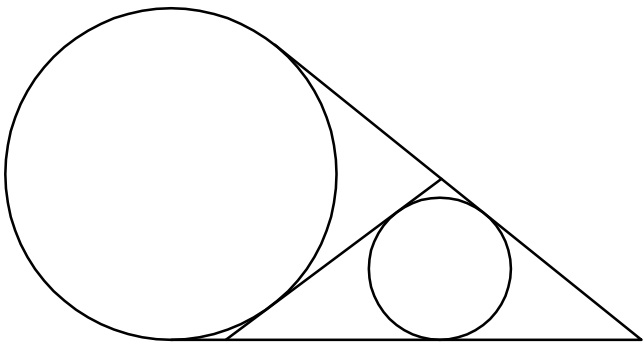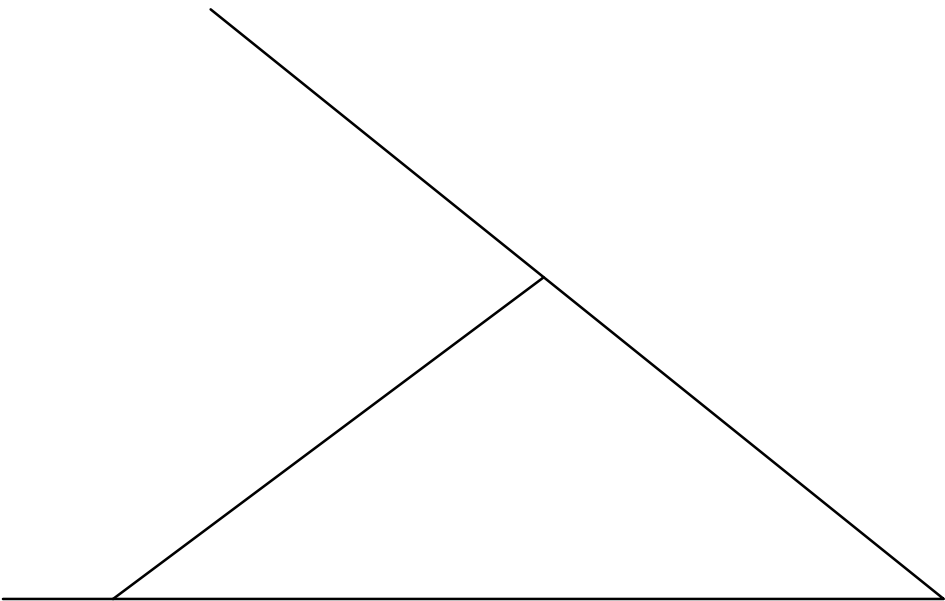circle as shown.   (12 marks)

Fig 4 - PROTT LOGO

Sheet 2 of 4

QUESTION No. 5

The figure shows a wall unit. Using line AB below as start line, draw the unit.
(a) Line AB is divided into 3 equal parts
(b) Line AD is divided in the ratio of 1:2:3
(c) Point E is found by bisecting line CD
Full construction for questions a, b, and c above must be shown.
Add knobs as shown in figure 5. Locate centers of drawers and find appropriate positions for cupboards knobs.
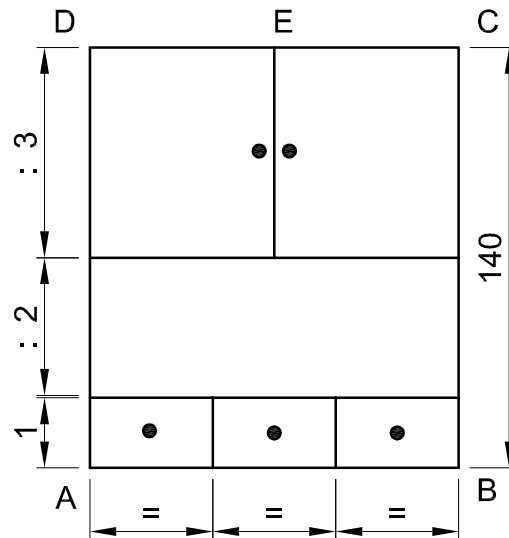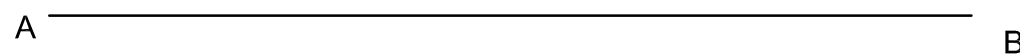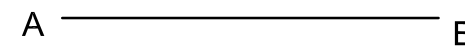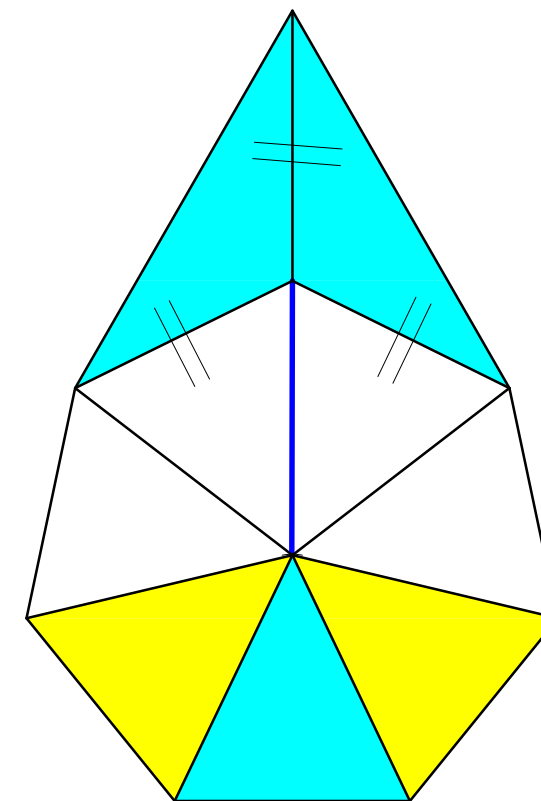
(14 marks)

Fig 5 - WALL UNIT

A   B

QUESTION No. 6

Figure 7 consists of a Heptagon and two isosceles triangles.
a.   Construct a regular heptagon on line AB below.
b.   Complete the pattern by drawing the two isosceles triangles
c.   Shade pattern as shown.

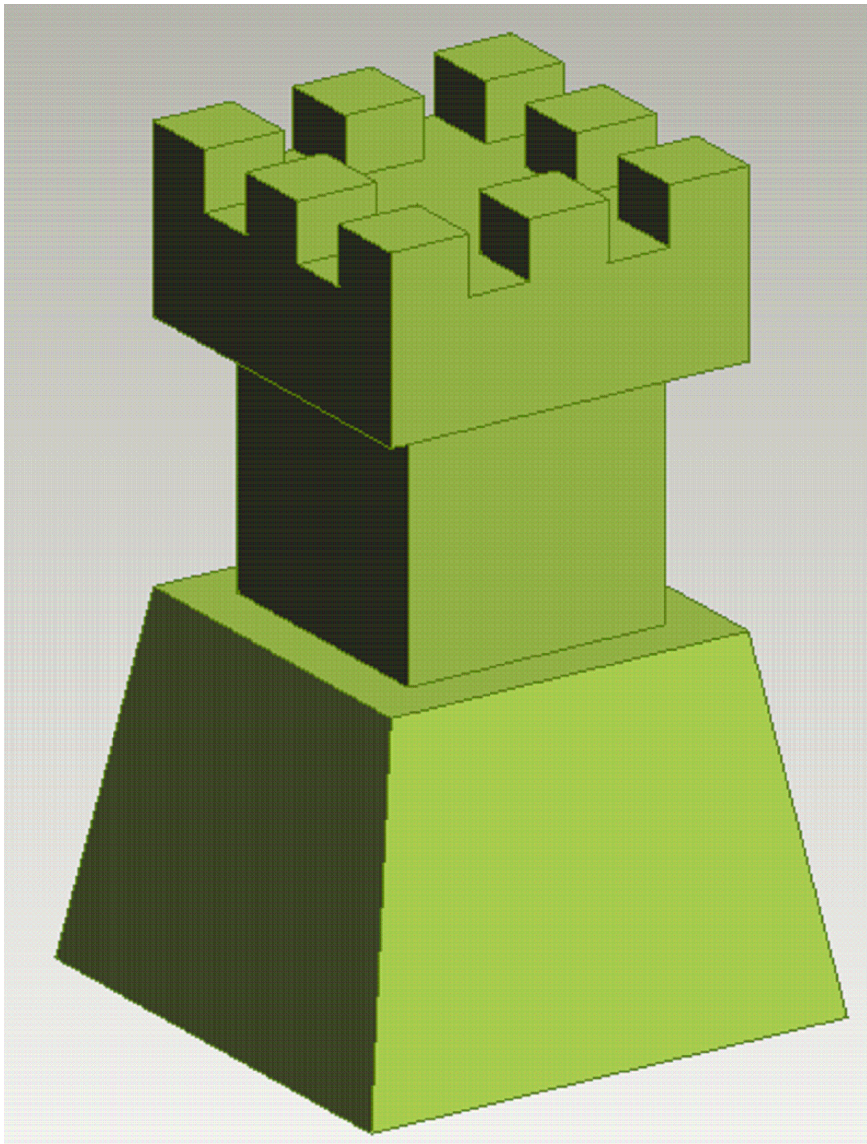(14 marks)

A ————————— B

NAME: _____   CLASS: _____

QUESTION No. 7
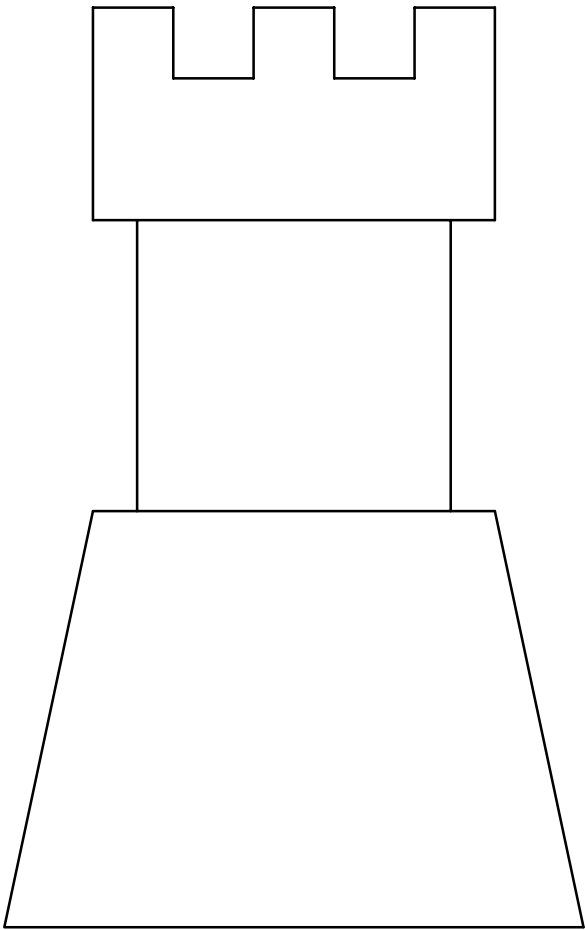
The figure below shows a pictorial view of a **TOWER MODEL.** Two complete
views of the tower are shown in 1st angle projection.

a. Project full scale a **PLAN** of the tower

b. Show the **symbol of projection** used

c. In the Name Block provided below print in freehand simple block letters
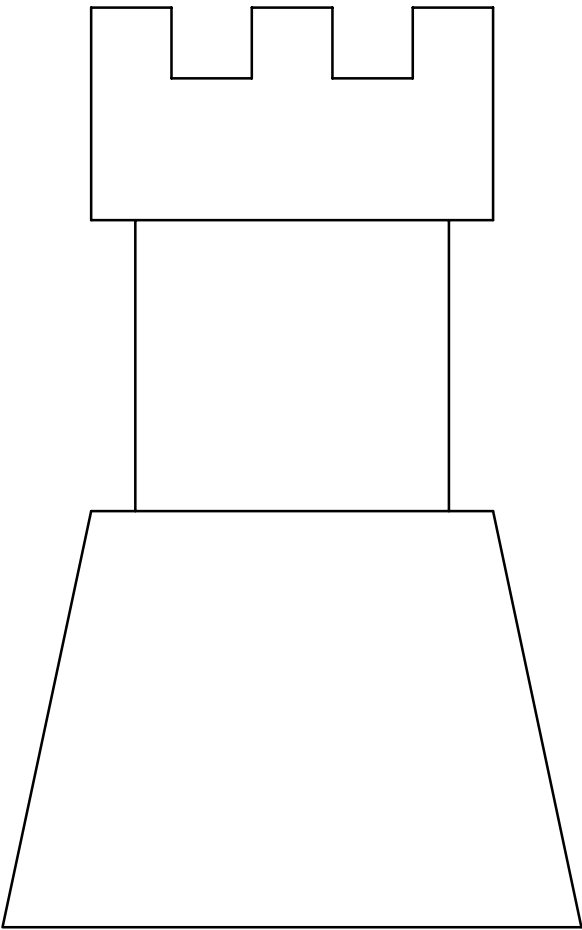   the **missing items**
   (Any hidden details have to be shown)   (20 marks)

ORTHOGRAPHIC PROJECTION SYMBOL

PLAN

Sheet 4 of 4

FORM 2 _ Half-Yearly 2014/15 GRAPHICAL COMMUNICATION	KULLEGG SAN BENEDITTU SECONDARY SCHOOL KIRKOP		TITLE:	NAME:	CLASS:	SCALE: