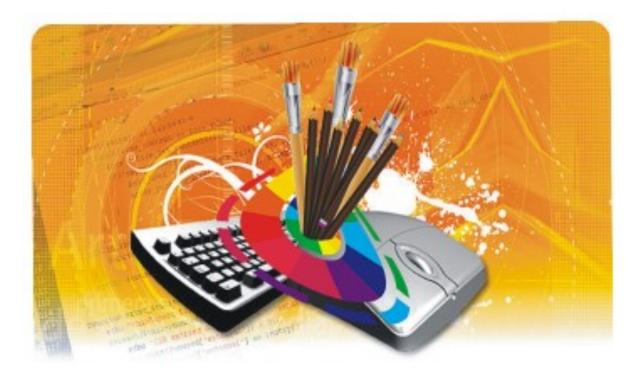
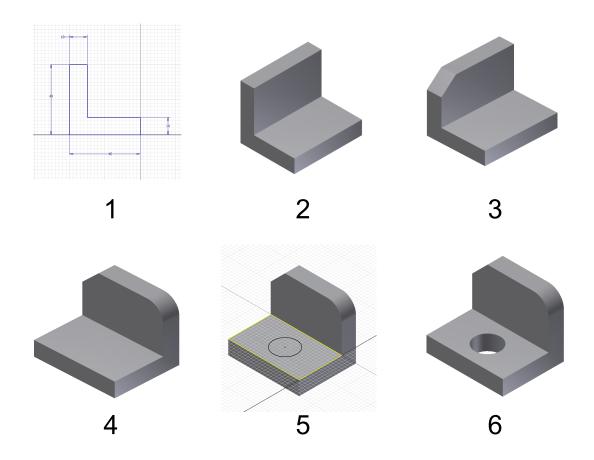


CAD Modelling Homework



Below is an engineering component designed using Autodesk Inventor.

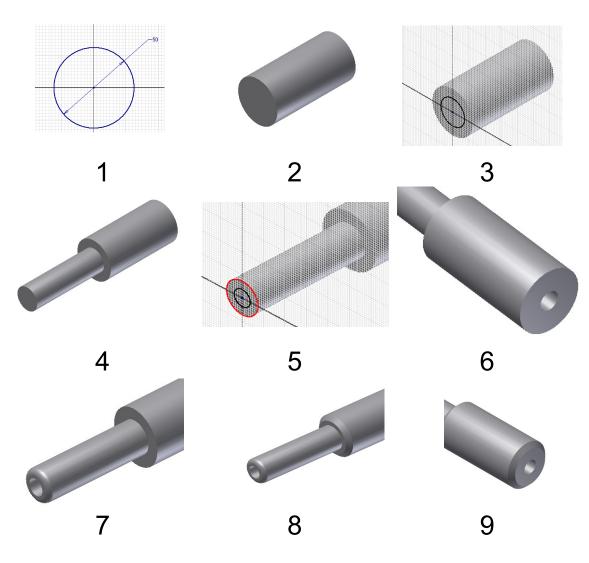


Look at the screenshots & identify the tool used to achieve the result at each stage

1)

- 2)
- 3)
- 4)
- 5)
- 6)

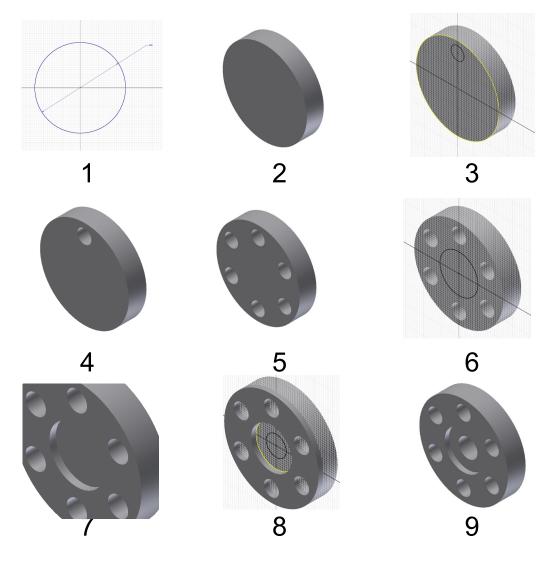
2) Below is an engineering component designed using Autodesk Inventor.



Look at the screenshots & identify the tool used to achieve the result at each stage.

- 1)
- 2)
- 3)
- 4)
- /
- 5)
- 6)
- 7)
- 8)
- 9)

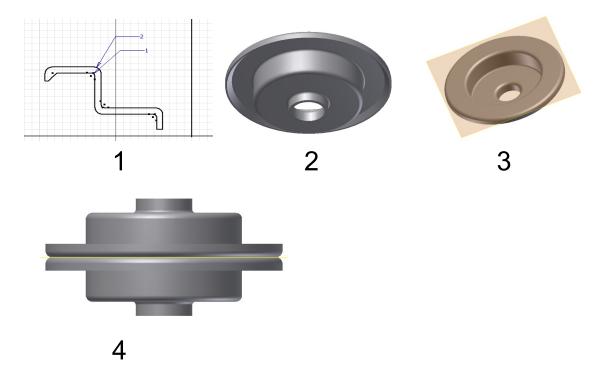
3) Below is an engineering component designed using Autodesk Inventor.



Look at the screenshots & identify the tool used to achieve the result at each stage.

- 1)
- 2)
- .
- 3)
- 4)
- 5)
- 6)
- ,
- 7)
- 8)
- 9)

4)Below is an engineering component designed using Autodesk Inventor.



Look at the screenshots & identify the tool used to achieve the result at each stage.

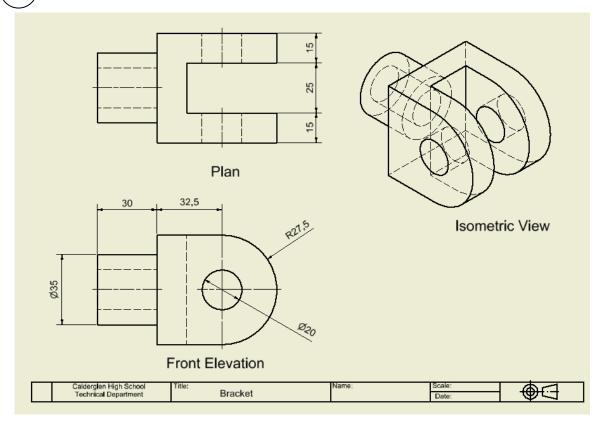
1)

2)

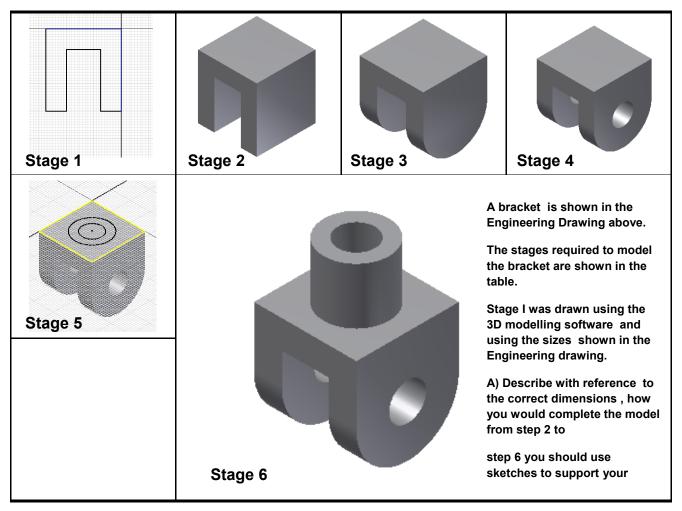
3)

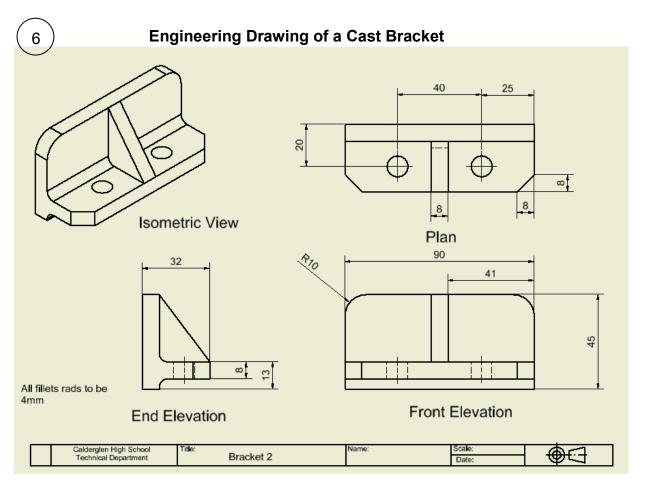
4)

5) What is the purpose of the vertical line in slide 1

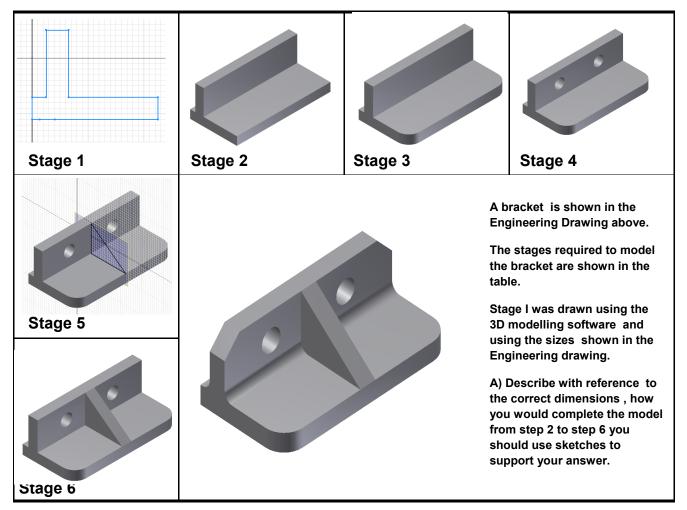


Modelling stages using Autodesk Inventor



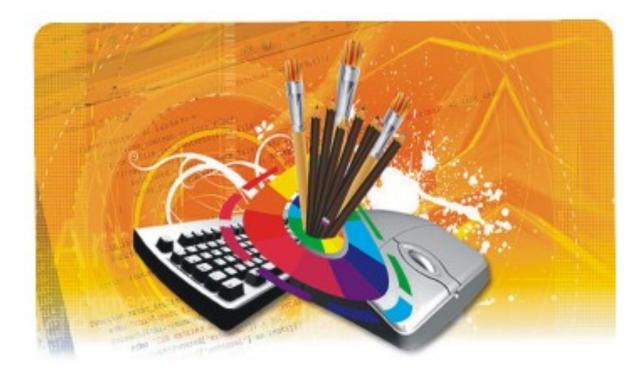


Modelling stages using Autodesk Inventor

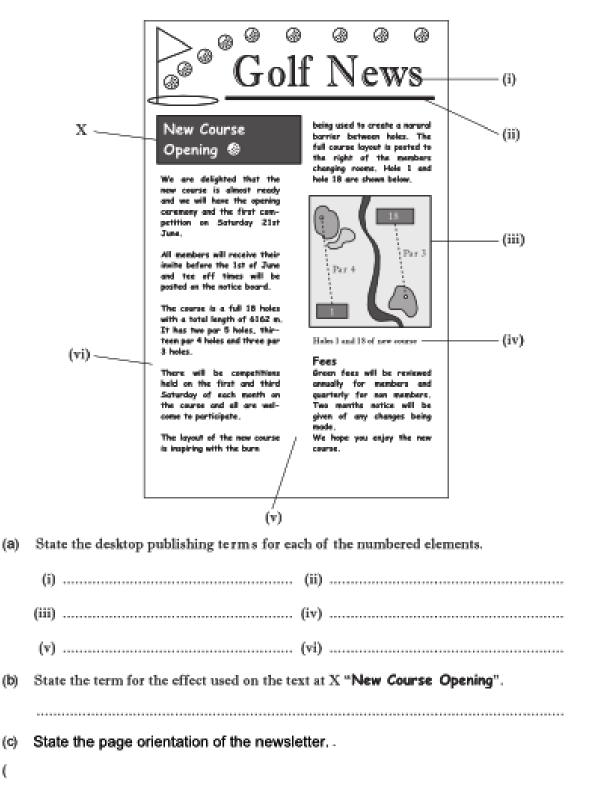




Desktop Publishing Homework

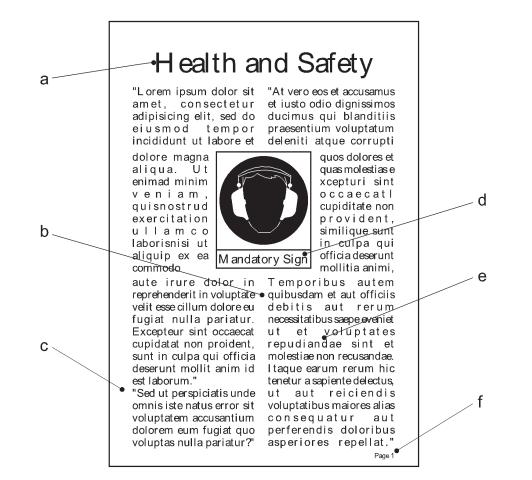


The first issue of a golf club newsletter produced on a DTP package is shown below.



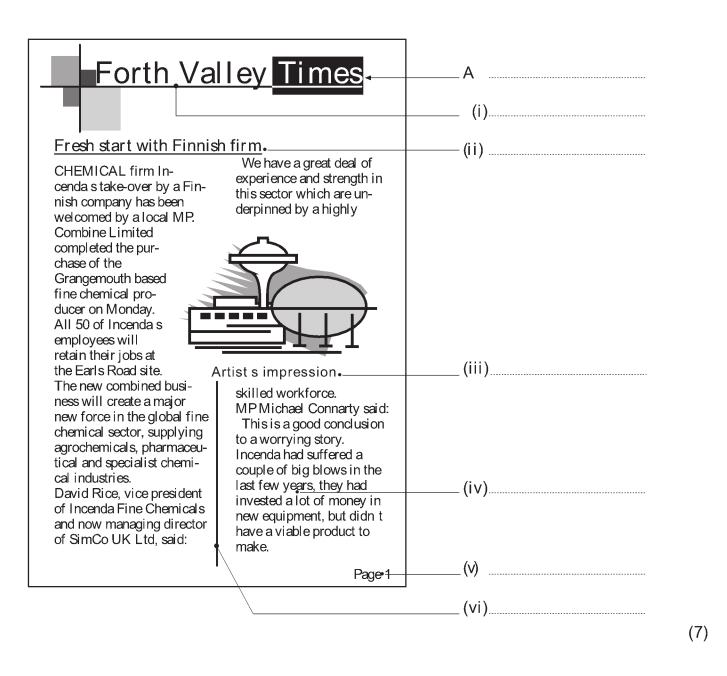
(9)

A desktop published document is shown below. State the DTP features indicated.



| Ane | example of a desk top published news sheet is shown. | M arks |
|-----|--|--------|
| (a) | State the desk top publishing effect indicated at A. | 1 |

(b)State the desk top publishing terms for each of the features (i) to (vi).



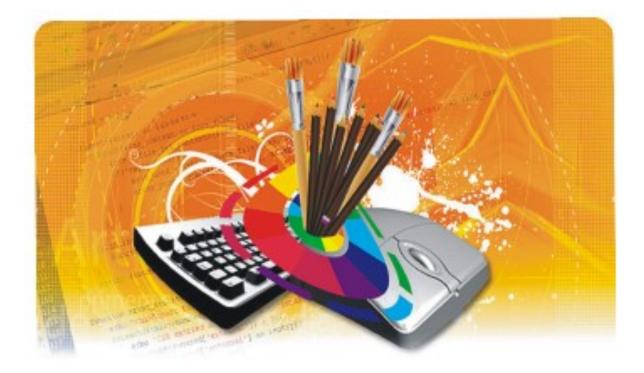
| | IVE CALLY. |
|---|------------|
| Describe, using sketches if required, the following desk top publis | |
| Page orientation | |
| | |
| | |
| | 1 |
| Rule | |
| | |
| | |
| | 1 |
| Caption | |
| | |
| | |
| | 1 |
| Gutter | |
| | |
| | |
| | 1 |
| Reverse | |
| | |
| | |
| | 1 |
| Header | |
| | |
| | |
| | 1 |
| Margin | |
| | |
| | |
| | 1 |
| | |

(10)

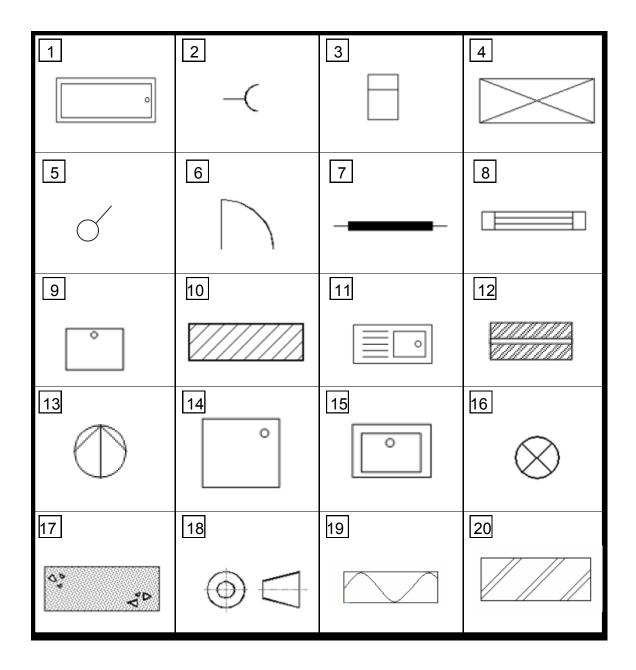
(7)



Symbol Recognition Homework

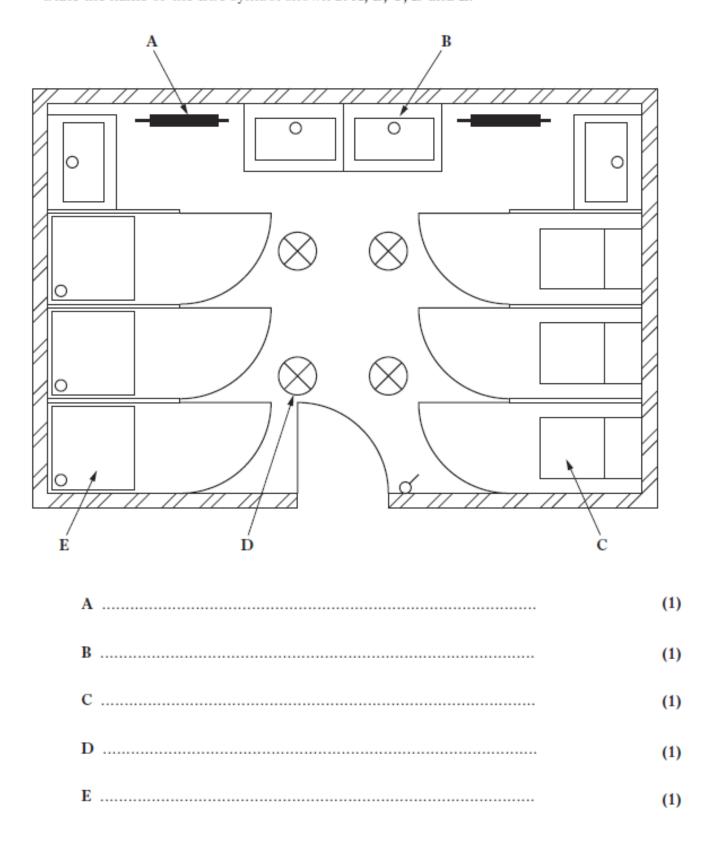


Write down what the symbols shown below represent :



(11)

A CAD floor plan for a sports changing facility is shown below. State the name of the BSI symbol shown at **A**, **B**, **C**, **D** and **E**.

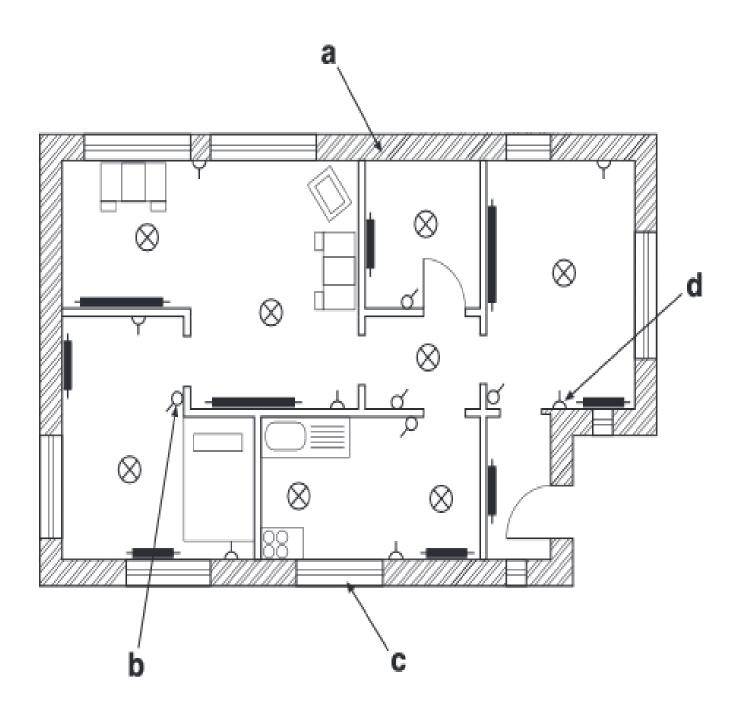


(5 marks)

13

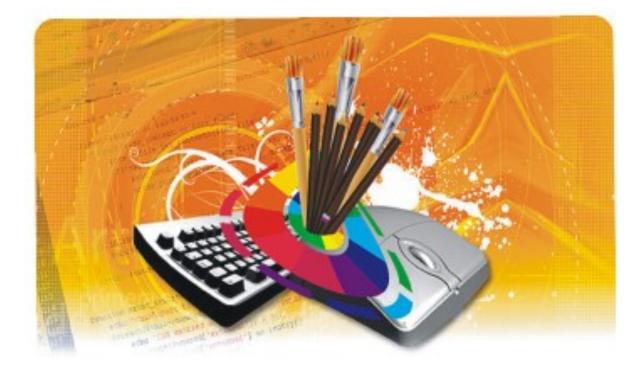
A Floor plan for a house is shown below.

- 1. State the British standard symbols shown at a, b, c and d
- 2. How many windows face East.
- 3. What would be the easiest way to allow other users to use your symbols
- 4. What advantage can be gained from using symbols.

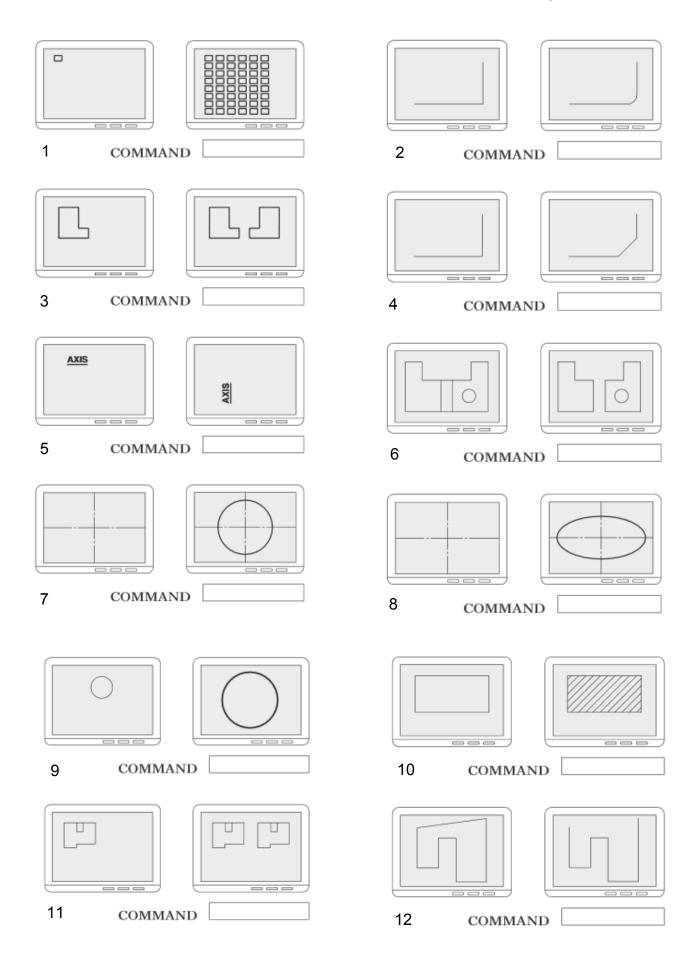




CAD Commands Homework



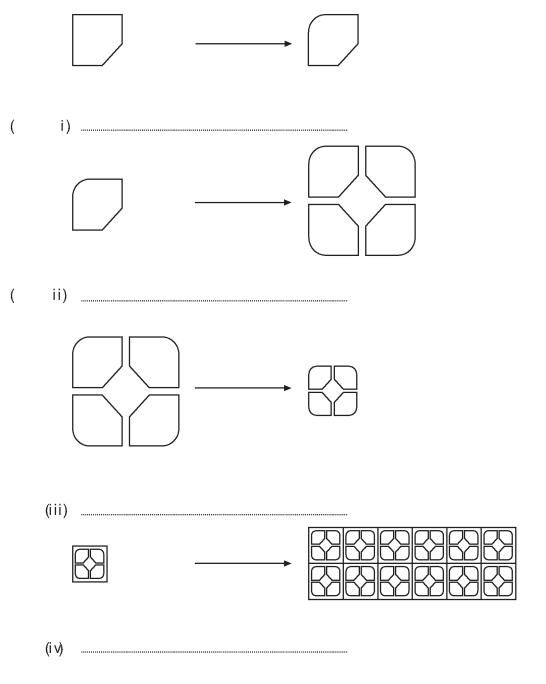




The various stages in producing a CAD drawing of a concrete building block are shown below.

(a) State the single command that would be used for each stage.

15



(b) State which feature of a CAD package would allow the concrete building block to be stored for future use in different drawings.

.....

(5 m arks)

〔16〕

Explain, with the aid of sketches, the following CAD commands.

(a) Zoom

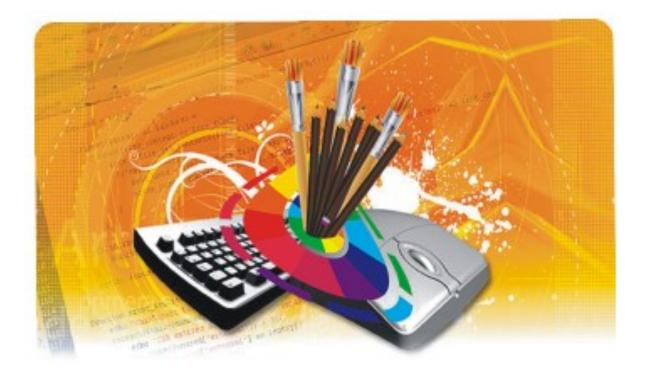
(b) Pan

(c) Chamfer

(d) Trim



Design Principles and Elements Homework



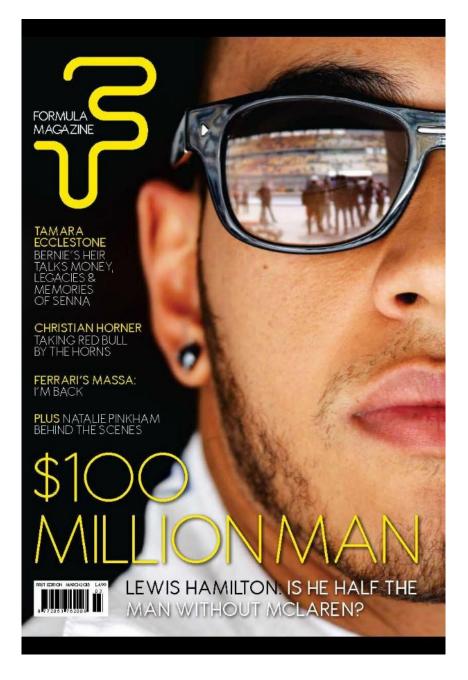
Identify the type of balance used in each of the magazine

covers from 1-9



〔17〕

A graphic designer has produced a magazine front cover



- 1. State one instance where alignment has been used.
- 2. State one effect that **alignment** has on the cover.
- 3. State two ways in which the designer has created **unity** in the cover.
- 4. State two methods used to create **contrast** in the cover.
- 5. State the **balance** used .

18

6. What reason may have been considered when deciding the answer to question 5.

A graphic designer has produced a magazine front cover



- 1. State one instance where alignment has been used .
- 2. State one effect that **alignment** has on the cover.
- 3. State two ways in which the designer has created **unity** in the cover.
- 4. State two methods used to create **contrast** in the cover.
- 5. State the **balance** used .
- 6. What reason may have been considered when deciding the answer to question 5.

The following names below are associated with Design Principles and Elements:

1) Line

20

- 2) White space
- 3) Colour
- 4) Balance
- 5) Unity
- 6) Shape
- Identify the what is an element and what is a principle.
- Chose one Element and one principle and describe them you can use a sketch.

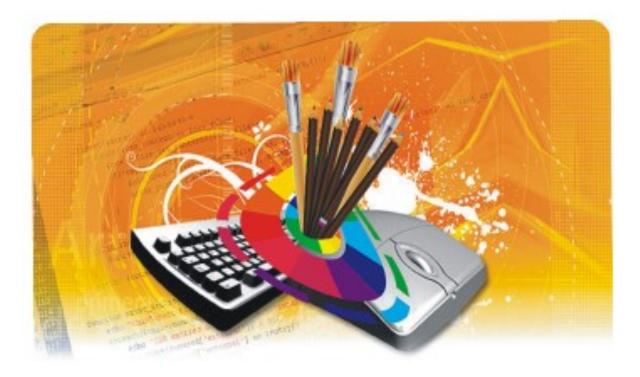
Thumbnails and visuals are necessary when designing DTP

documents.

- What stage are they used?
- What is the differences between them? you can use a sketch to help
- explain the difference.



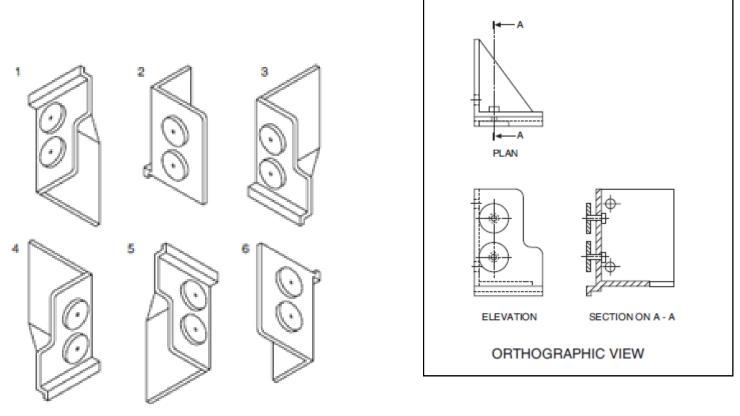
Interpretation of Views Homework



(21)

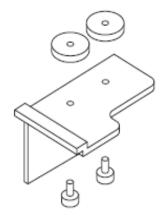
The Elevation , End Elevation and Plan of a wheeled bracket are shown

(a) Six pictorial views are shown below



State which two of these views represent the wheeled bracket.

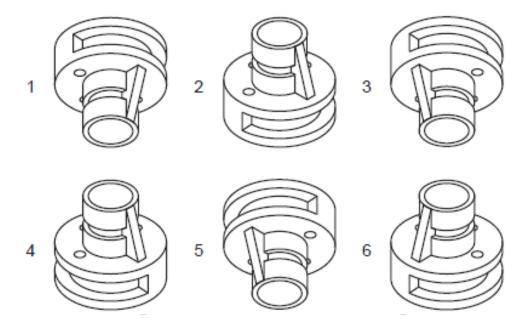
| | Answer 1 Answer 2 | KI 2 |
|-----|---|------|
| (b) | State the name given to the type of isometric view Y shown. | |
| | View Y | KI 1 |
| (c) | State the purpose of a sectional view. | |
| | Purpose | |
| | | KI 1 |

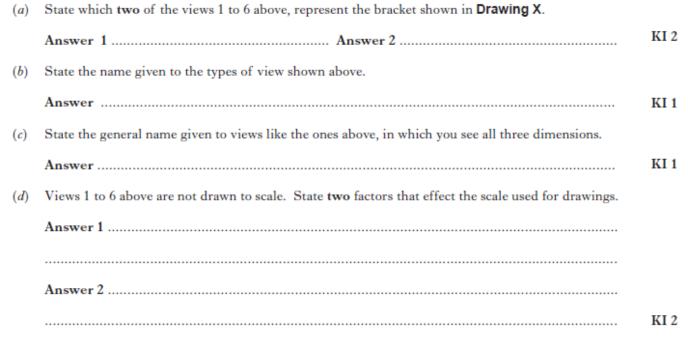


ISOMETRIC VIEW Y

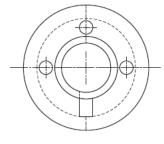
The elevation, end elevation and plan of part of a pipe bracket are shown in **Drawing X** and are drawn using BSI drawing conventions.

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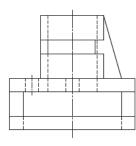


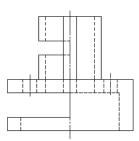


Drawing X



PLAN





END ELEVATION

ELEVATION