Graphic communication

An **engineering drawing** is a type of technical drawing that is used to convey information about an object. A common use is to specify the geometry necessary for the construction of a component and is called a **detail drawing**.

https://en.wikipedia.org/wiki/Engineering_drawing

Graphic conventions are used to communicate ideas and necessary information for the construction of products by using drawings and labels.

Outlines (A). Lines drawn to represent visible edges and surface boundaries of objects are called outlines or principal lines. These are continuous thick lines.

Construction Line • Very lightly drawn lines to guide drawing other lines and shapes

These lines are drawn for constructing figures. These are shown in geometrical drawings only. These are continuous thin light lines.

Hidden Line • Show interior detail not visible from the outside of the part

Center Line • Define the center of arcs, circles, or symmetrical parts • Half as thick as an object
lineeducare-zone.blogspot.com/2013/12/basic-engineering-drawing-conventions.html

Read:

Line types p. 10 number 1-5, Fig.1.12

Task 1:

1. Copy the line types in Fig 1.12
2. Heading-Line types
3. *Date* – 8 February

* Task 2

1. Copy fig. 1 and 2 in your workbook
2. Complete the lines and measurements
3. Heading – Graphic communication
4. Date – 9 February

Figure 1

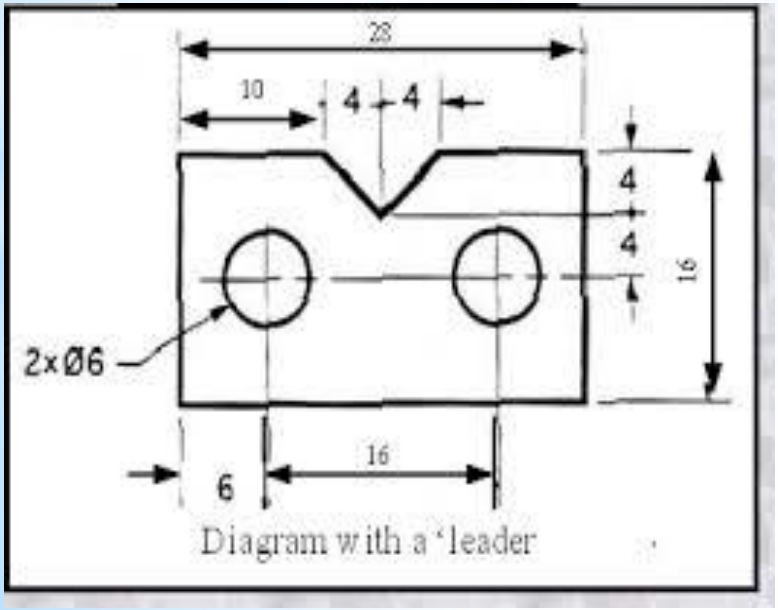
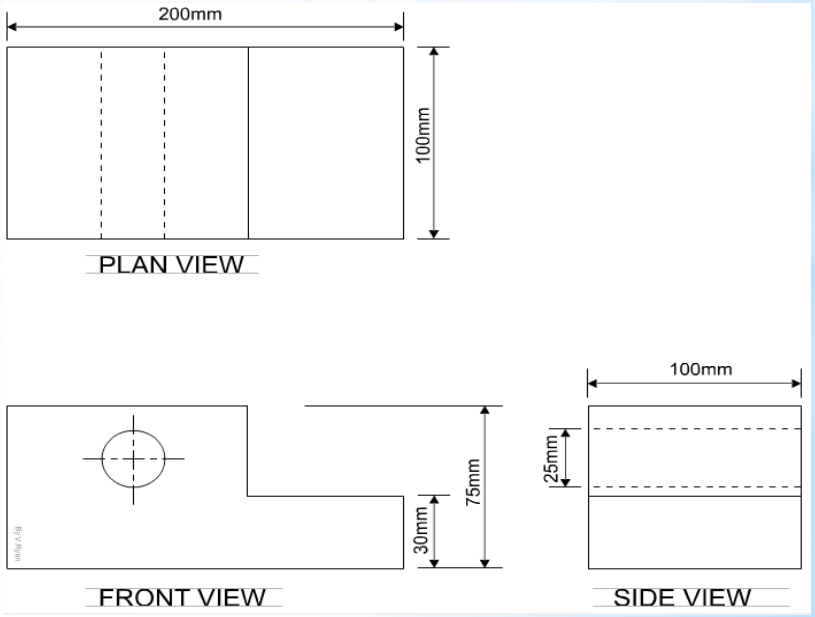


Figure 2



* Dimension lines and scale

Read:

1. p.11 Number 1-4, Fig.1.17
2. p.10 Scale and Fig. 1.16

Task 3:

1. Fig 1.18 p.11
2. Heading - Line type, scale and dimension
3. Date - 10 February

Task 4:

1. Copy the top, front and right view of the given object using scale 2:1
2. Add the dimension lines, projection lines, hidden detail lines and the dimensions
3. Heading – Task 4
4. Date – 10 February