



**EASTERN MEDITERRANEAN UNIVERSITY
FACULTY OF ENGINEERING
DEPARTMENT OF MECHANICAL ENGINEERING**

**MENG 104 ENGINEERING GRAPHICS
(FALL 2013-2014)**

HOME WORK NO: 1
SKETCHING PROBLEMS

STUDENT'S

NAME, SURNAME:.....

NUMBER :

GROUP NO :

NOTES

USE THE COVER PAGE WHEN YOU ARE SUBMITTING YOUR HOMEWORK TO THE INSTRUCTOR

Prepare a sketching paper using the 210mm X 297mm size graph paper, draw the drawing area with one box from each edge and the title block as is in the class work papers. Divide the sheet into two parts as shown in the Figure. 1. Sketch two assigned problems per sheet.

Figure.2 Sketch the three views. The "close ticks" on the figures will indicate 5 mm or one (1) box space, the "large spaced ticks" indicate 10 mm or two (2) boxes. Thus, measurements may be easily spaced off on graph paper. In these problems, all holes are through holes

Figure.3 Sketch given views and the oblique view at the space left on right side of the views. Add missing lines. The squares may be 5 mm or one (1) grid box.

Figure.4 Sketch the two given views and add the missing view and the oblique view at the space left on right side of the views. The squares may be 5 mm or one grid box. The given views are either front and right-side: views or front and top views. Hidden holes with center lines are drilled holes.

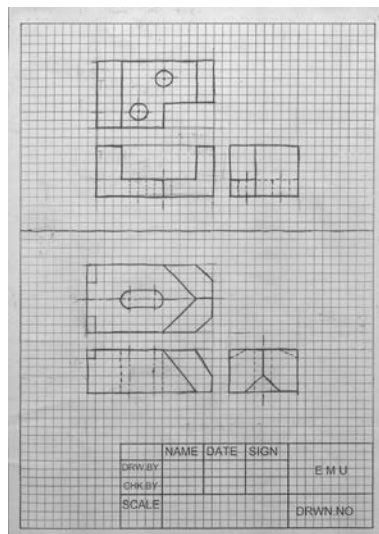


Figure 1 Multiview Sketch (Layout A4)

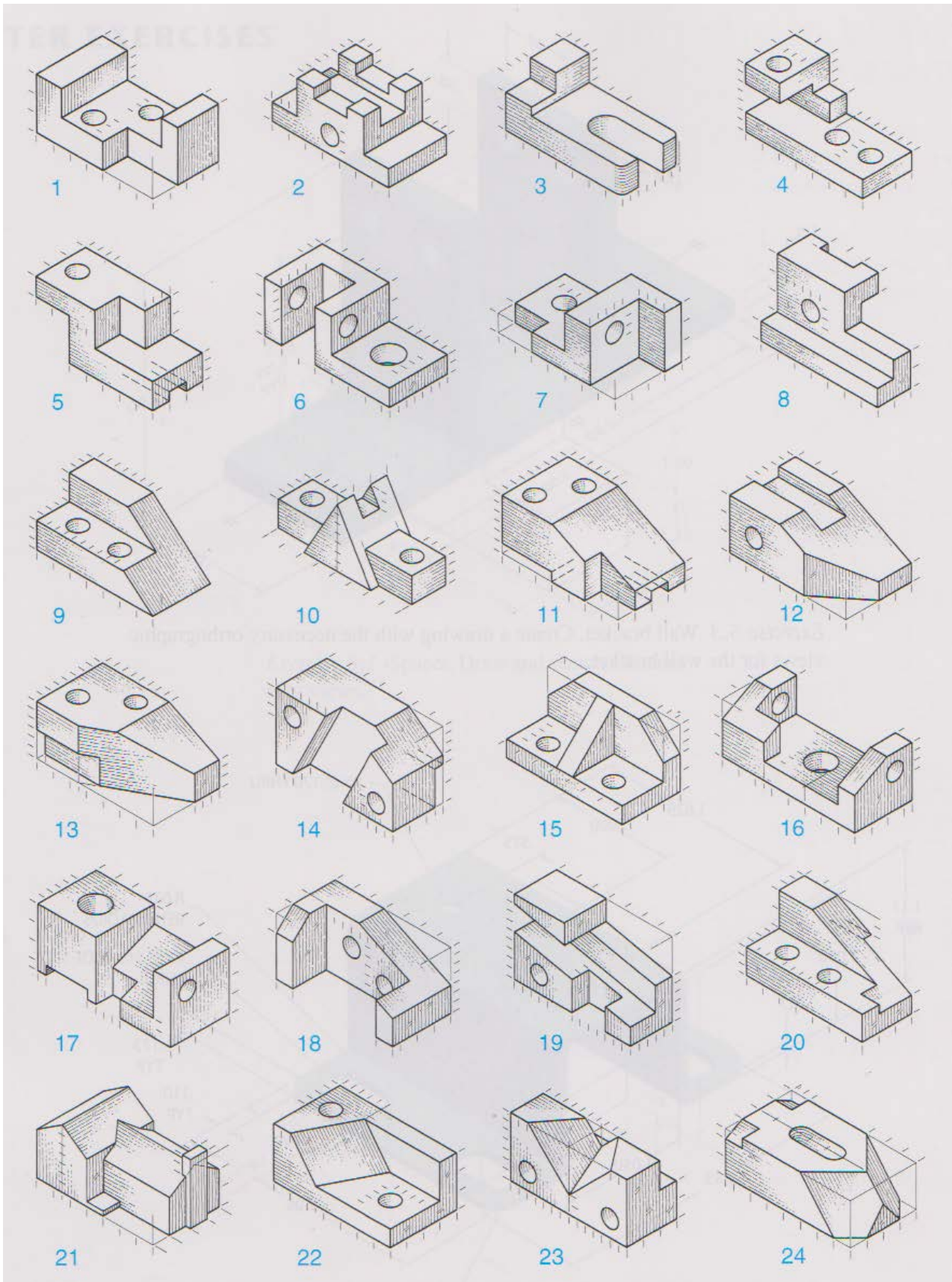


Figure 2 Multiview Sketching Problems Sketch necessary views, using Layout A4 (freehand) on graph paper , two problems per sheet as in Fig 1. The units shown may be 10 mm and 5 mm or two boxes and one box. All holes are through holes

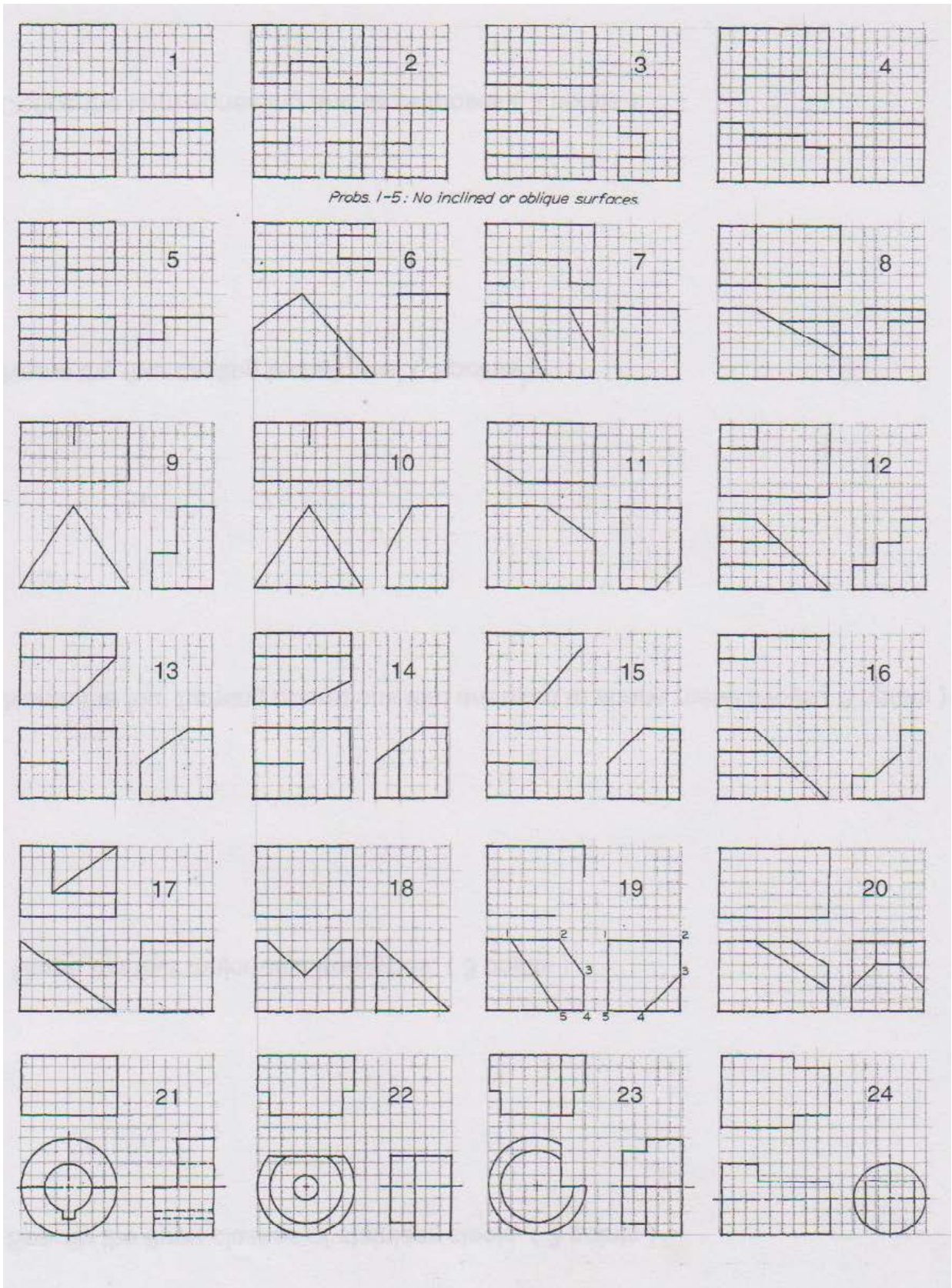


Figure 3 Missing-Line Problems. Sketch given views using Layout A4 (freehand), on graph paper 2 problems per sheet as in Fig. 1, add missing lines and the oblique view. The squares may be either 5 mm or one box. See instructions .

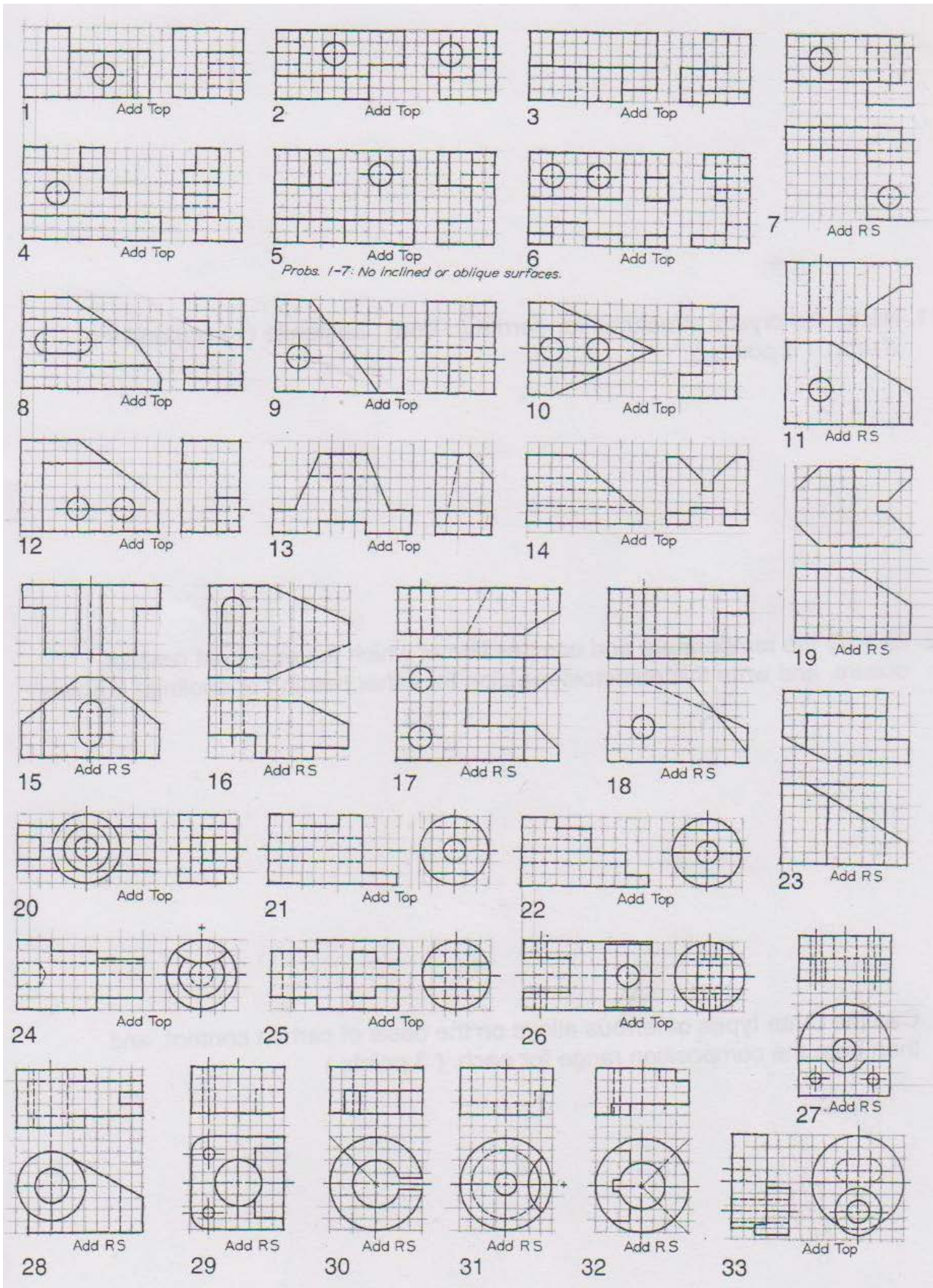


Figure 4 Third-View Sketching Problems. Using Layout A4 (freehand), on graph paper 2 problems per sheet as in Fig.1, sketch the two given views and add the missing view and the oblique view. The squares may be either 5 mm or one box.. The given views are either front and right-side views or front and top views. Hidden holes with center lines are drilled holes.