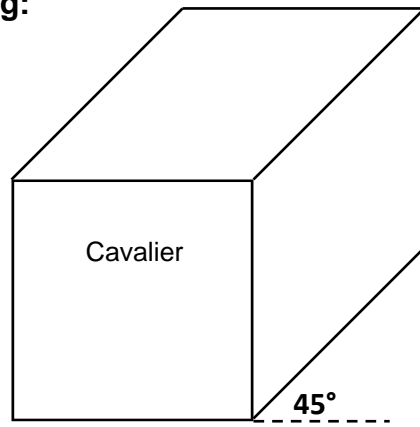
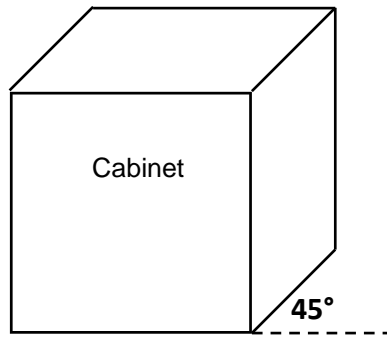


Paraline Drawing Systems.

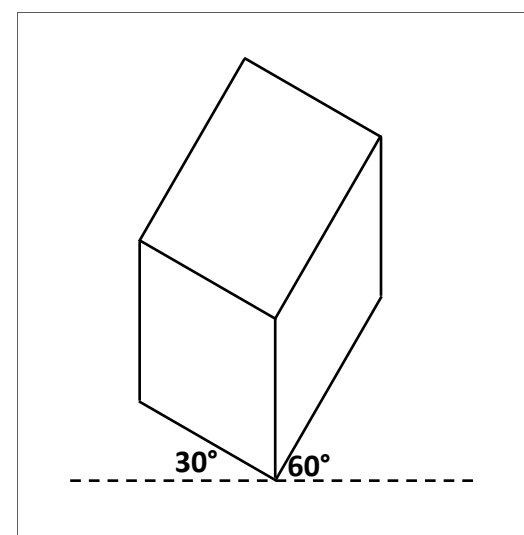
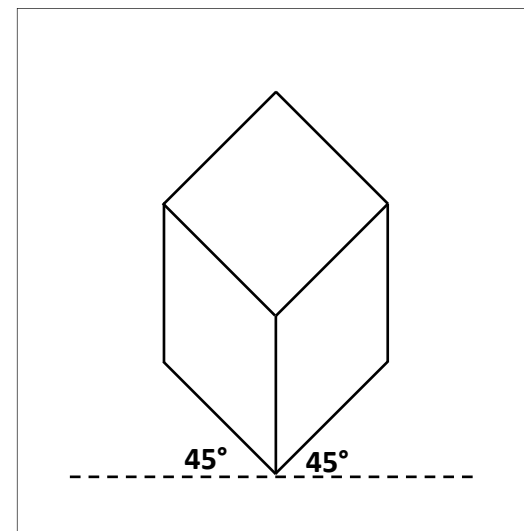
Oblique

There are 2 types of oblique drawing:

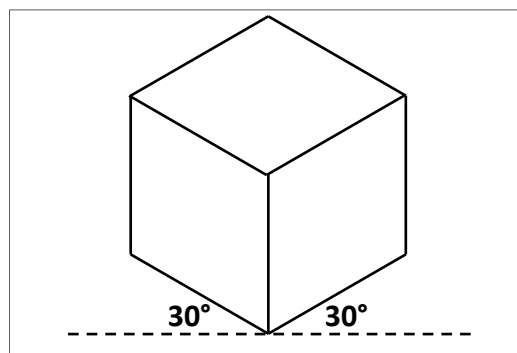


- The Cavalier view tends to make a distorted view of the object.

Planometric



Isometric



Third Angle Orthogonal Drawing

Start inside border 40 mm in and up from lower left-hand corner, above the title block

TOP VIEW

OF STEPPED BLOCK
(ALL DIM IN MM)
SCALE 1:2

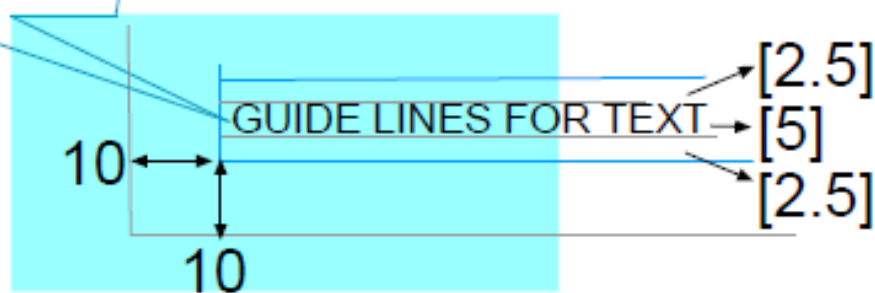
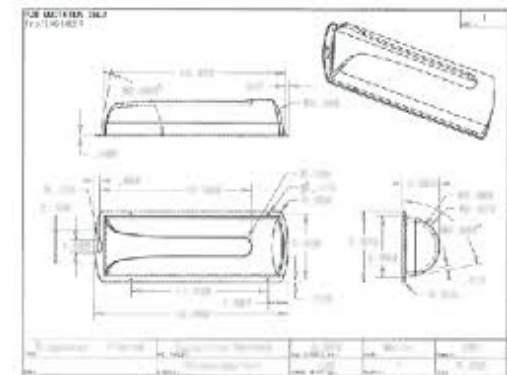
ISOMETRIC VIEW OF STEPPED BLOCK

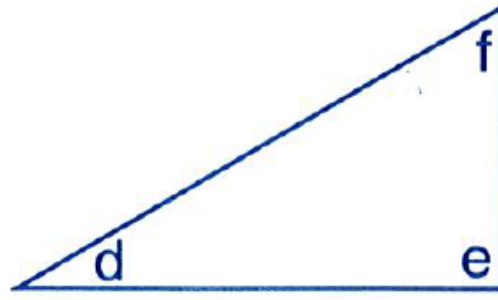
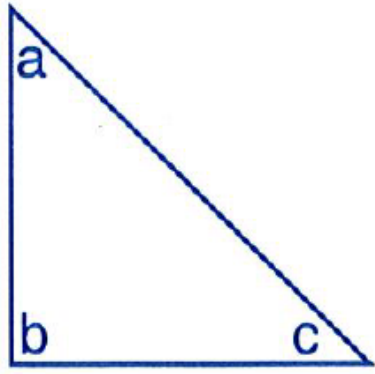
FRONT VIEW

SIDE VIEW

STUDENT NAME	CLASS	TITLE OF DRAWING	DATE
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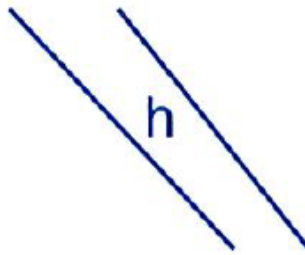
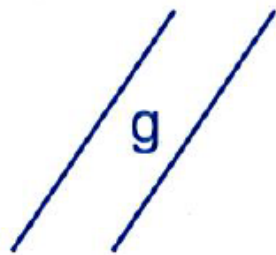
[COMPLETED]





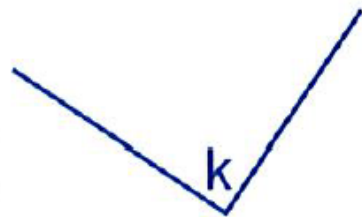
a	
b	
c	
d	
e	
f	

1 Name the angles lettered from 'a' to 'f'.



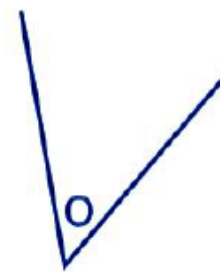
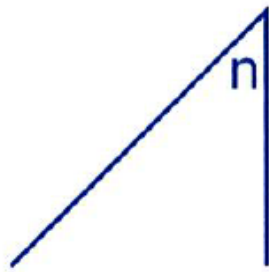
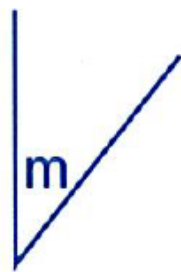
g	
h	
i	

2 Are the pairs of lines parallel? Answer 'yes' or 'no'.



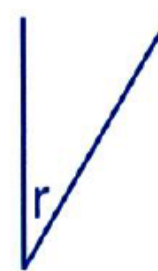
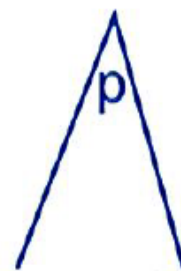
j	
k	
l	

3 Are these right angles? Answer 'yes' or 'no'.



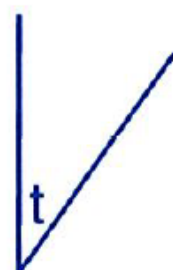
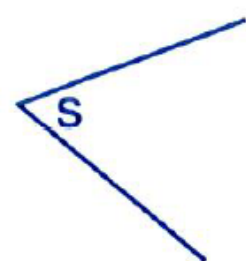
m	
n	
o	

4 Are these angles of 45°? Answer 'yes' or 'no'.



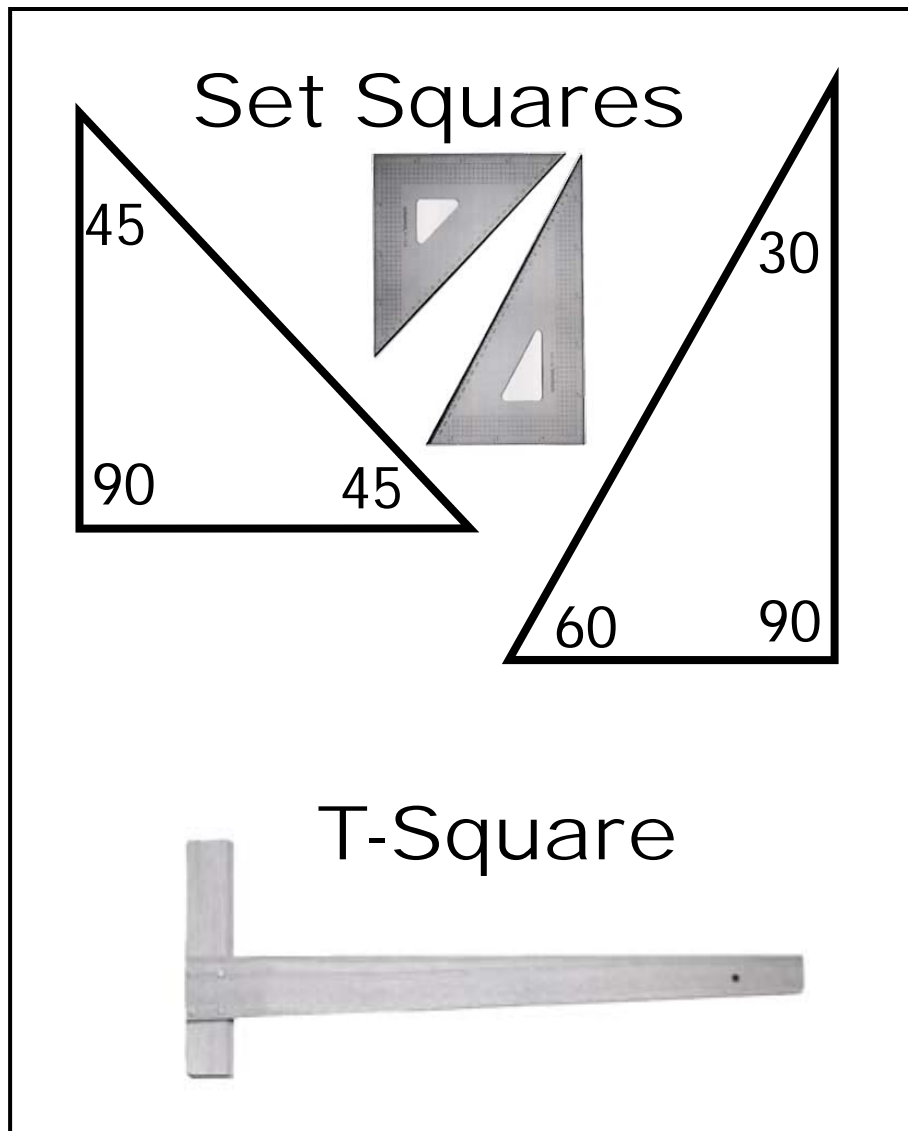
p	
q	
r	

5 Are these angles of 30°? Answer 'yes' or 'no'.



s	
t	
u	

6 Are these angles of 60°? Answer 'yes' or 'no'.



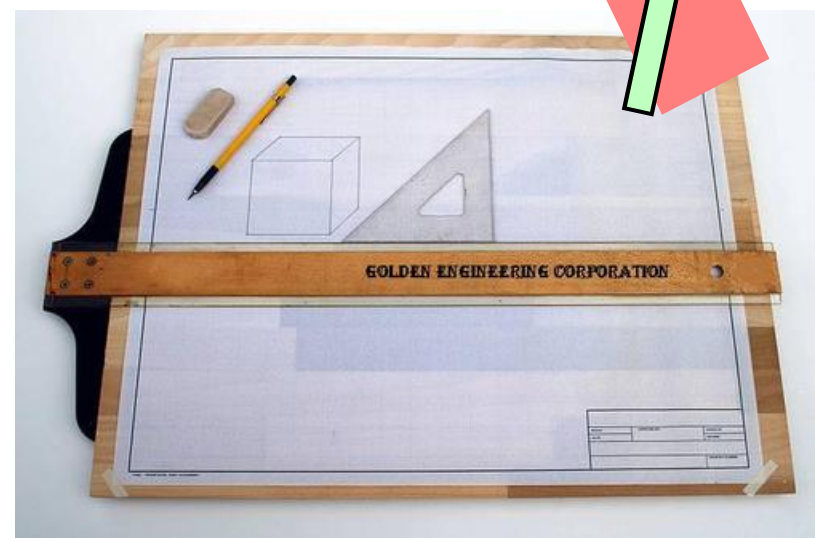
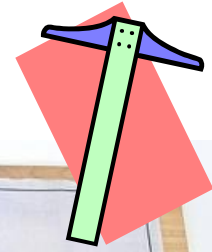
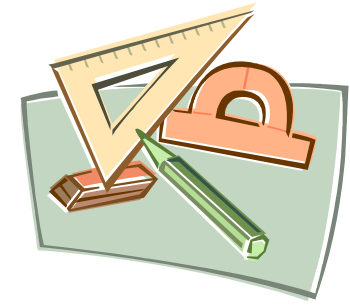
Drawing board

Tape

HB pencil

Eraser

Fineliner



Tasks to be completed:

- Angles and parallel lines handout. In book with border. Write Yes/No.
- Trial page with border, title box. 40mm in from bottom edge and left edge measure and rule a 100mm square using T-square, set square and HB pencil followed by fineliner. Then using equipment, draw a 100mm x 80mm rectangle and a 90mm equilateral triangle. Think about placement.
 - Page landscape, 3 pieces tape. 10mm border.
 - HB pencil then fineliner.
 - Use of T-Square, set squares and measuring.
 - Correct placement and measuring of title box.
- Landscape page demonstrating 40mm Oblique, Isometric and Planometric drawing systems.
 - Correct use of T-square and set squares. HB pencil then fineliner.
 - Placement on the page. **PLANNING!**
 - Border and title box.
- Landscape page presenting a 100mm Isometric cut out cube in greylead pencil demonstrating no evidence of erasing, careful rendering using the grades of pencil. Presentation. 40mm from bottom border and 150mm from left border is starting point.

NO FINELINER ON CUBE! ONLY BORDER & TITLE BOX.

Extension:

Provided worksheets—please ask for extra practice worksheets!

Draw a lego block in the various drawing methods.

NOTE: There are still typography and perspective exercises to be done in Photoshop elements so that you develop skills in layers and rendering. Most tasks listed here should take no more than 2 or 3 sessions each if you use class time wisely!

Tasks to be completed on computer:

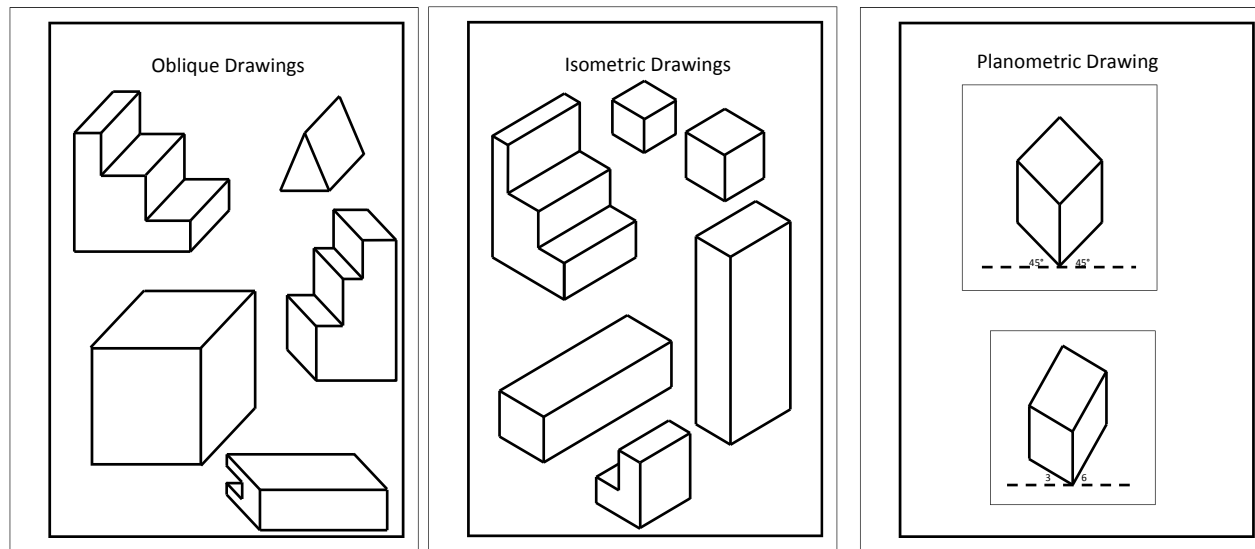
1. Landscape A3 page demonstrating 40mm Oblique, Isometric and Planometric drawings in Publisher.

- *Pay attention to placement on page.*
- *Label each view—capital lettering, sans serif.*
- *Border and title box.*

2. A4 page-6 oblique drawings

3. A4 page—6 isometric drawings

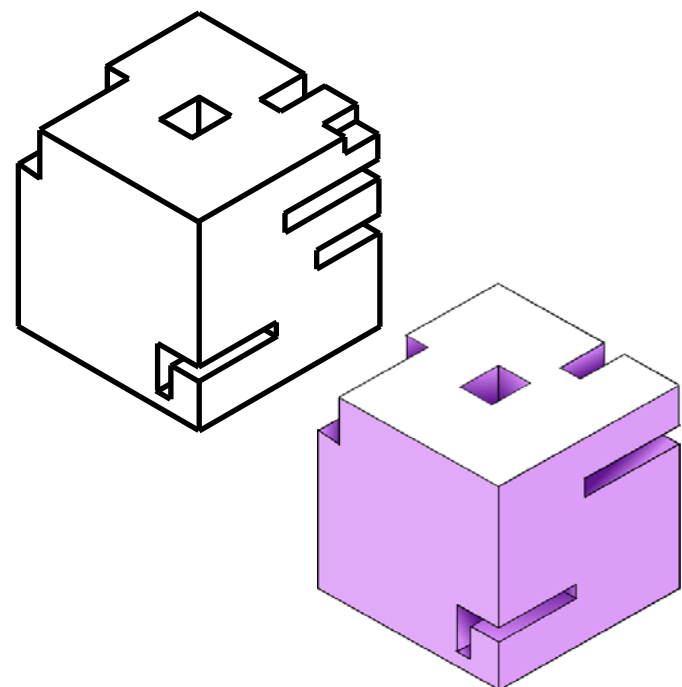
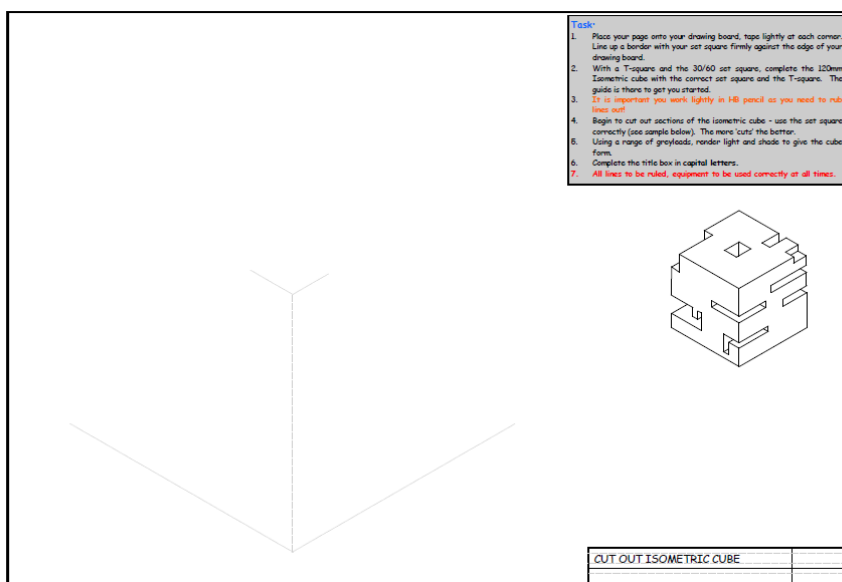
4. A4 page—demonstrate 2 types of planometric drawings



5. Landscape A3 page presenting a 120mm Isometric cut out cube using Publisher.

6. Transfer 1. to Photoshop elements and use correct shading techniques and layers.

7. Transfer 5. to Photoshop elements and use correct shading techniques and layers.

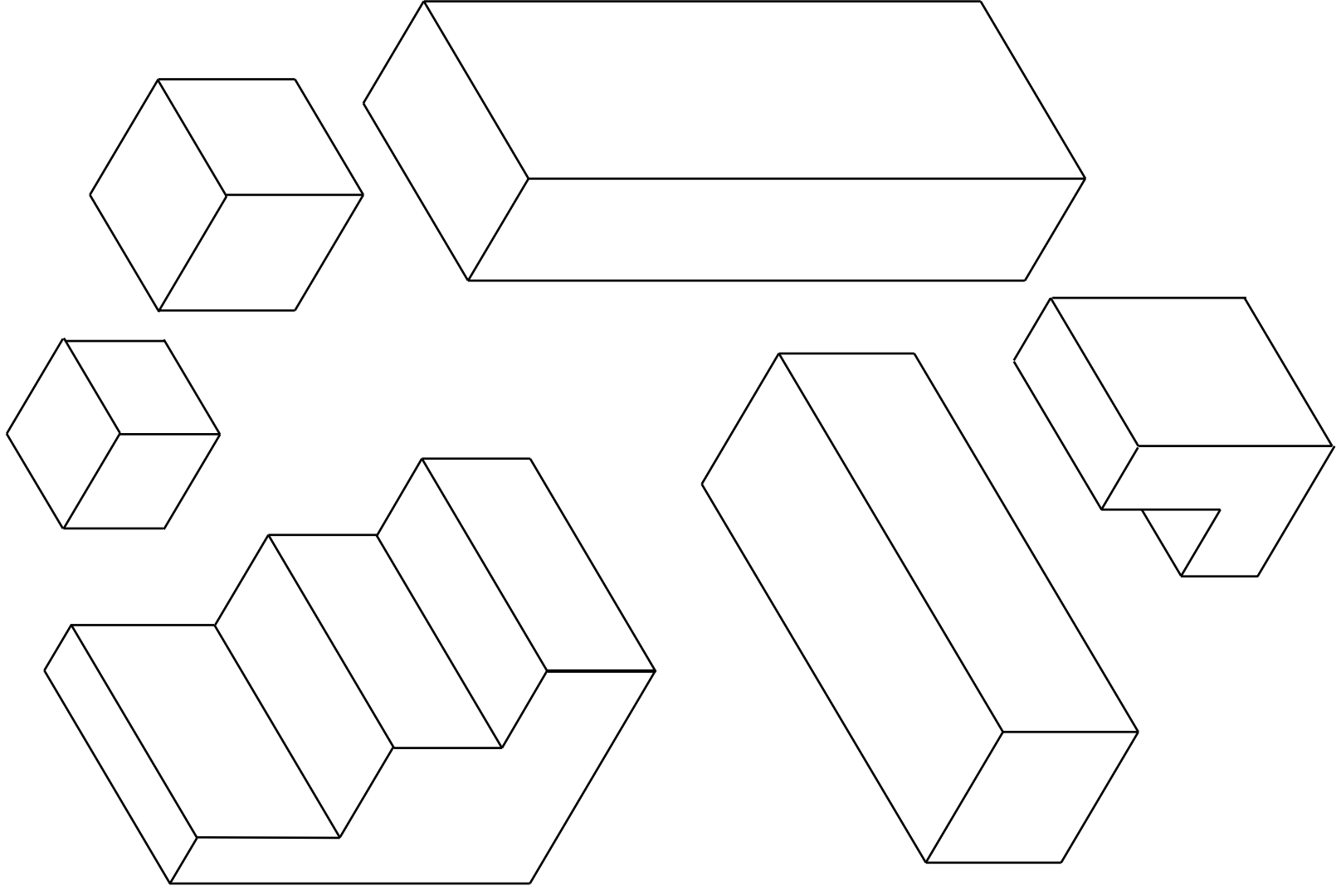


Extension:

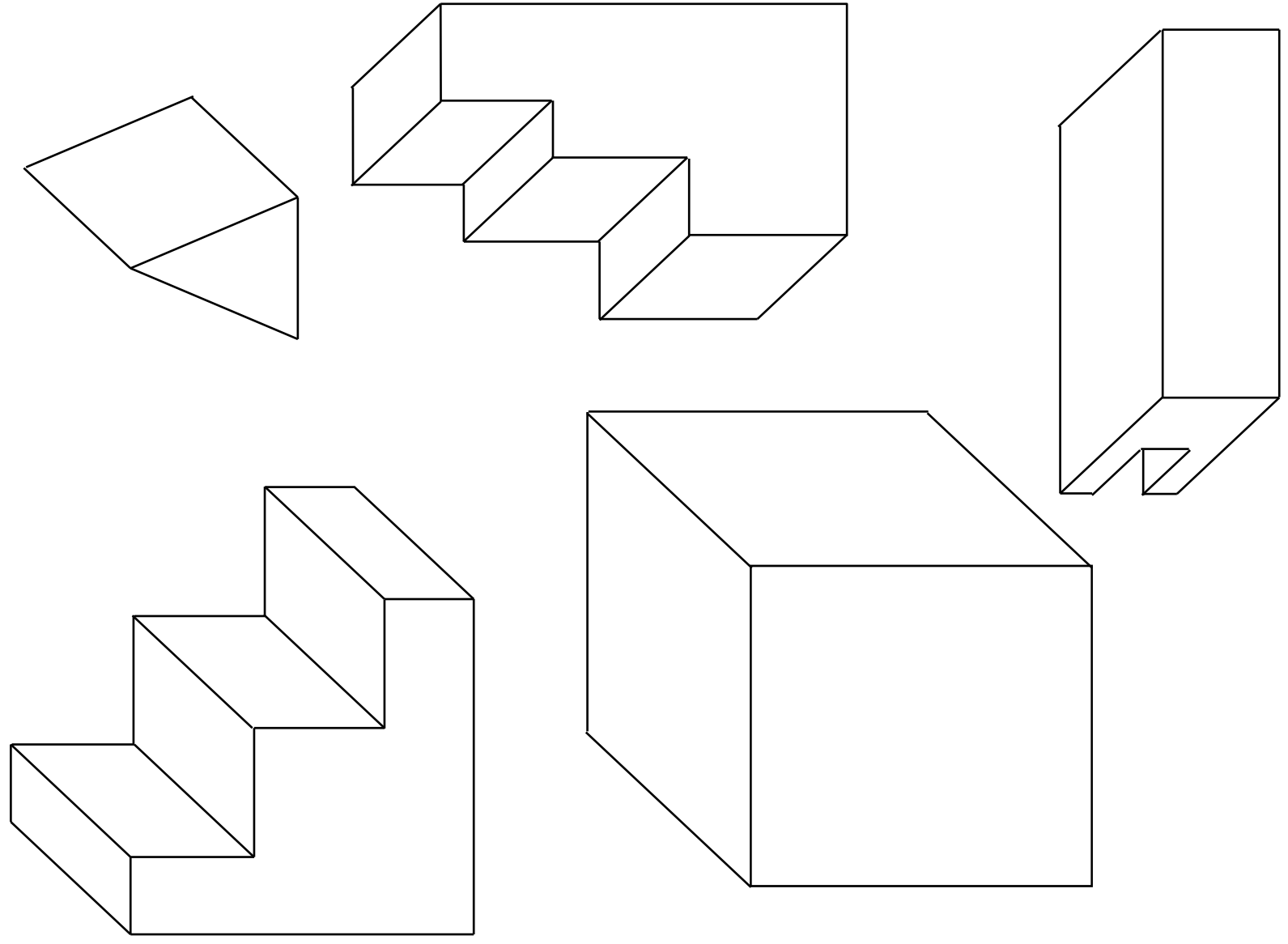
Provided worksheets—please ask for extra practice worksheets to be put into your network folder.

Complete a series of liquorice allsorts in the various drawing methods.

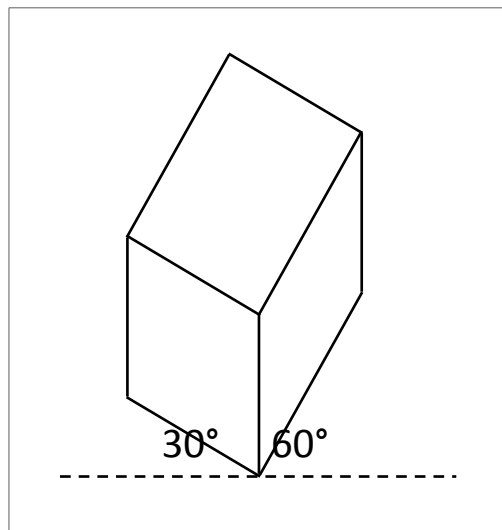
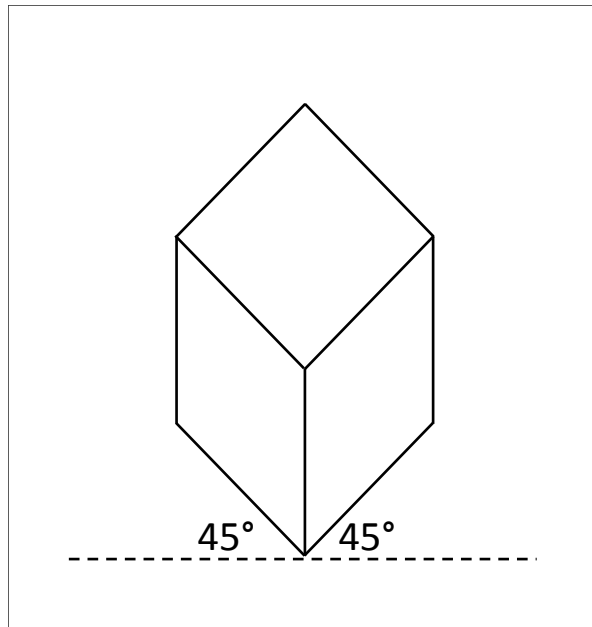
Isometric Drawings

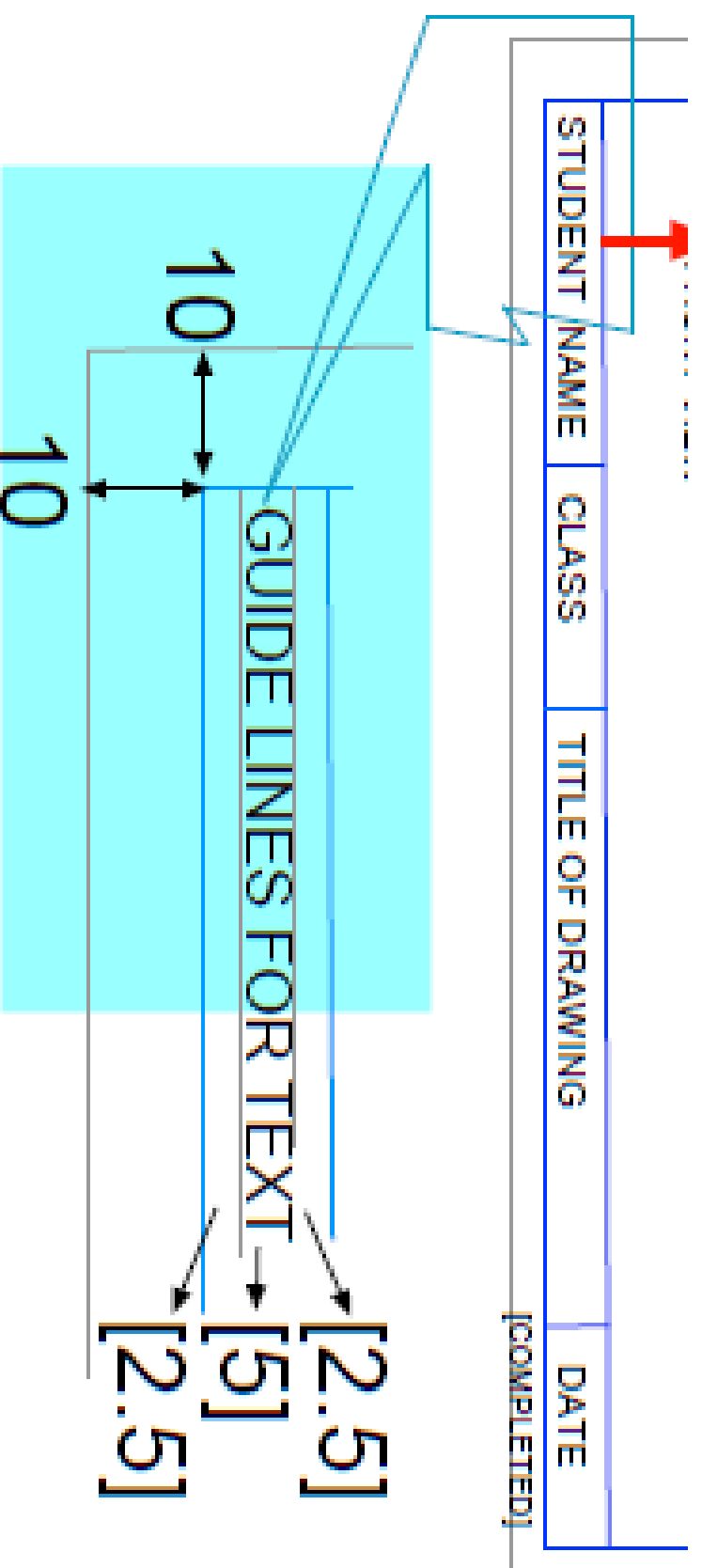


Oblique Drawings



Planometric Drawing





Measurements are always in mm.

Labels and titles are in uppercase lettering. If done on computer—use sans serif font.