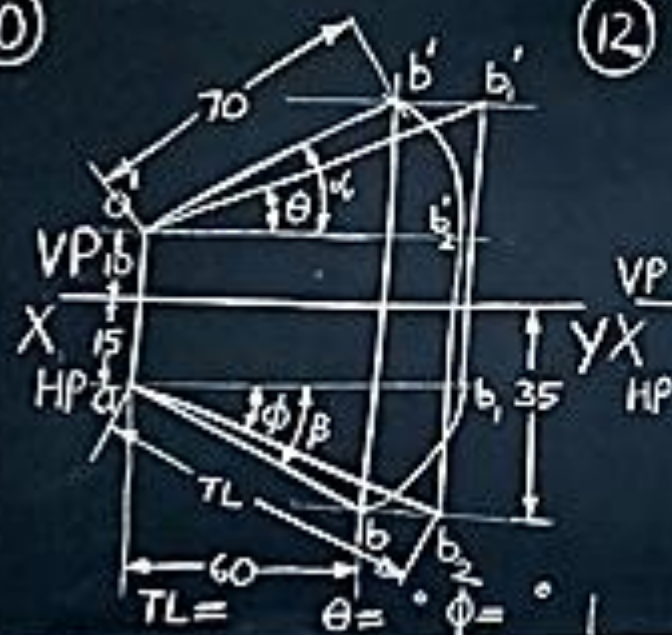


# ENGINEERING GRAPHICS 1

CLASS 3: PROJECTION OF LINES-2  
(SHEET 3)

⑩



⑫



⑬

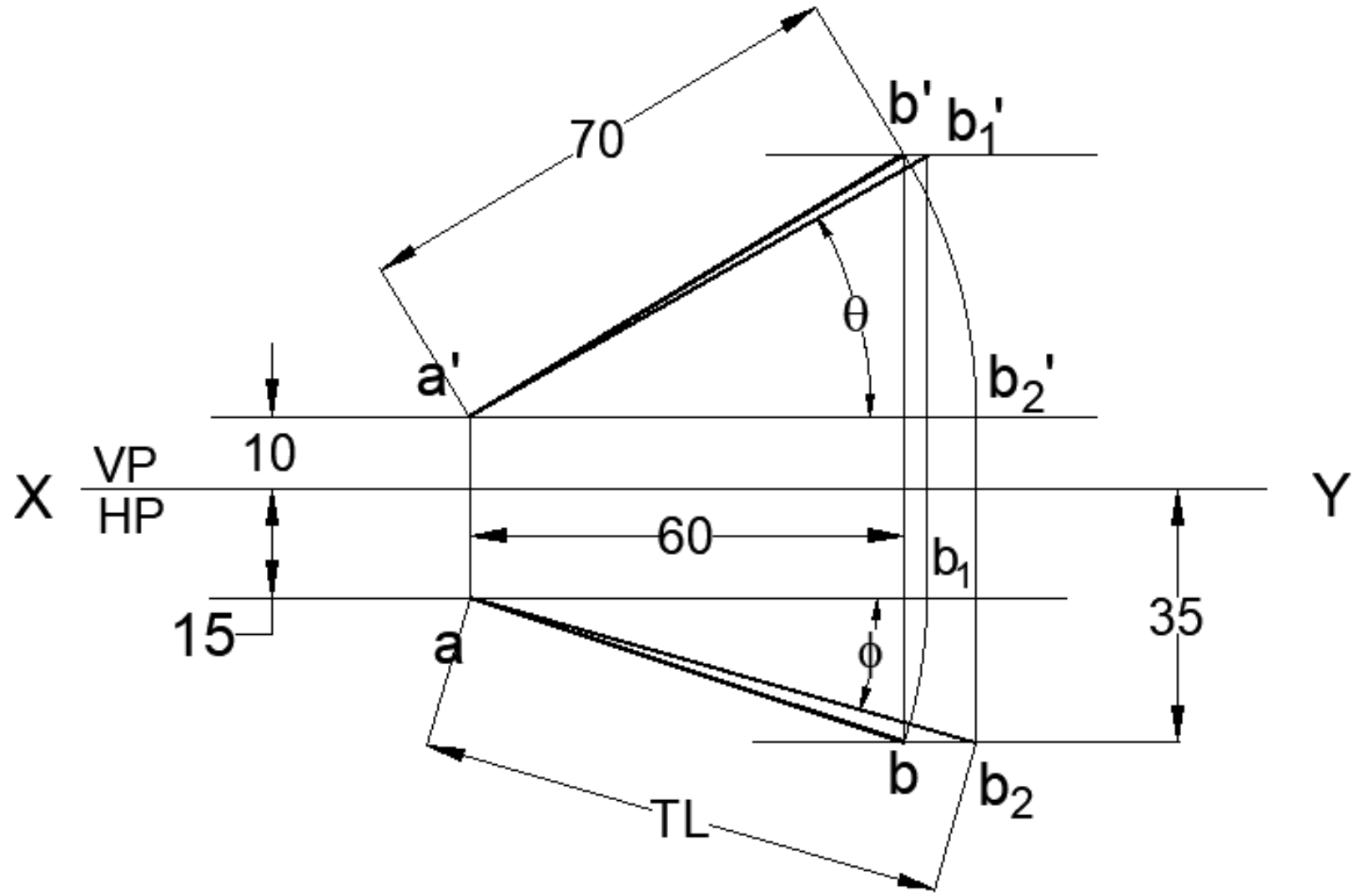


⑮



## QUESTION BANK: PROJECTION OF LINES - PROBLEM 10

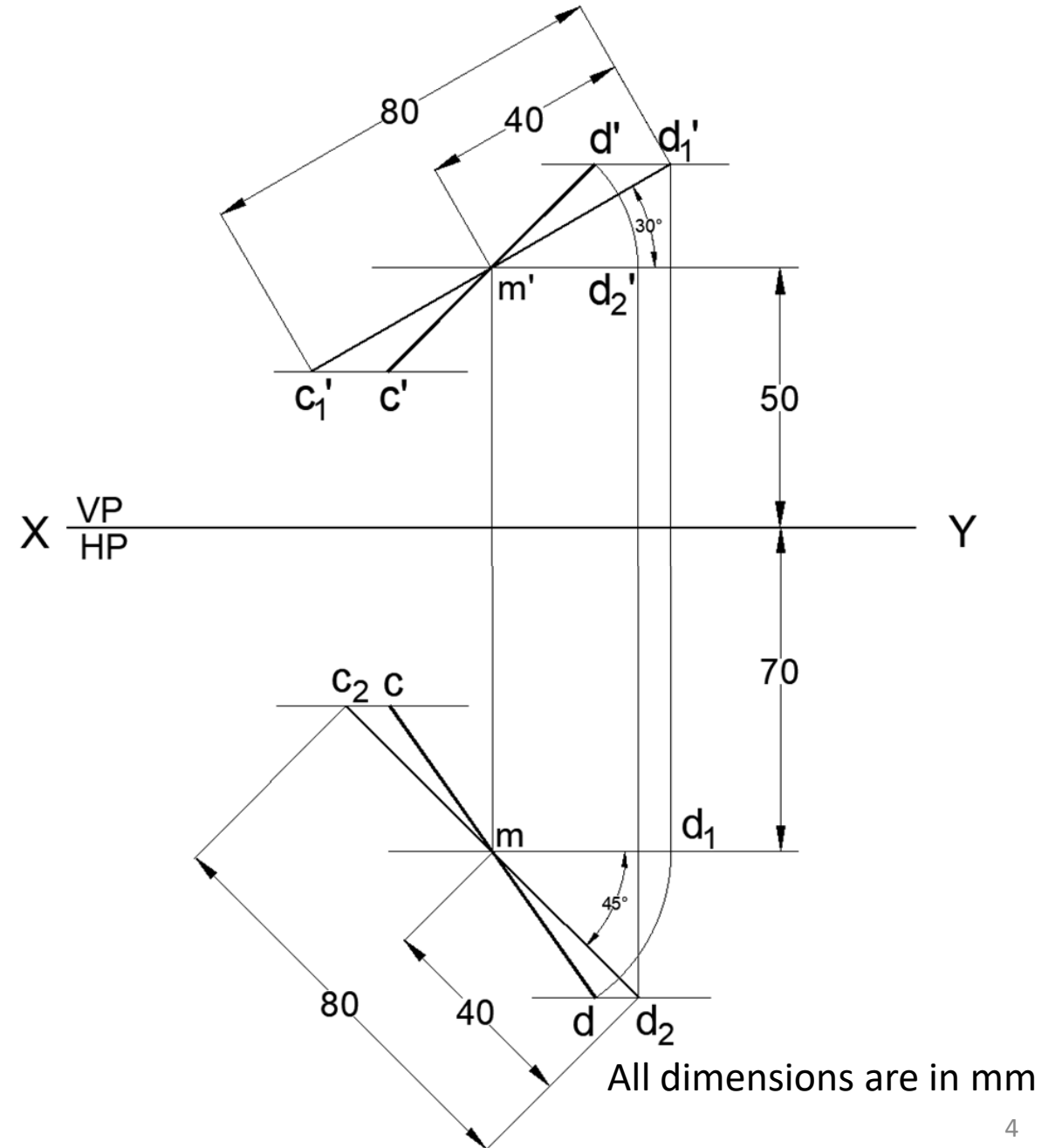
The distance between the end projectors through the end points of a line AB is 60 mm. The end A is 10 mm above HP and 15 mm in front of VP. The end B is 35 mm in front of VP. The line AB appears as 70 mm long in the front view. Draw the projections and determine its true length and the inclinations.



All dimensions are in mm

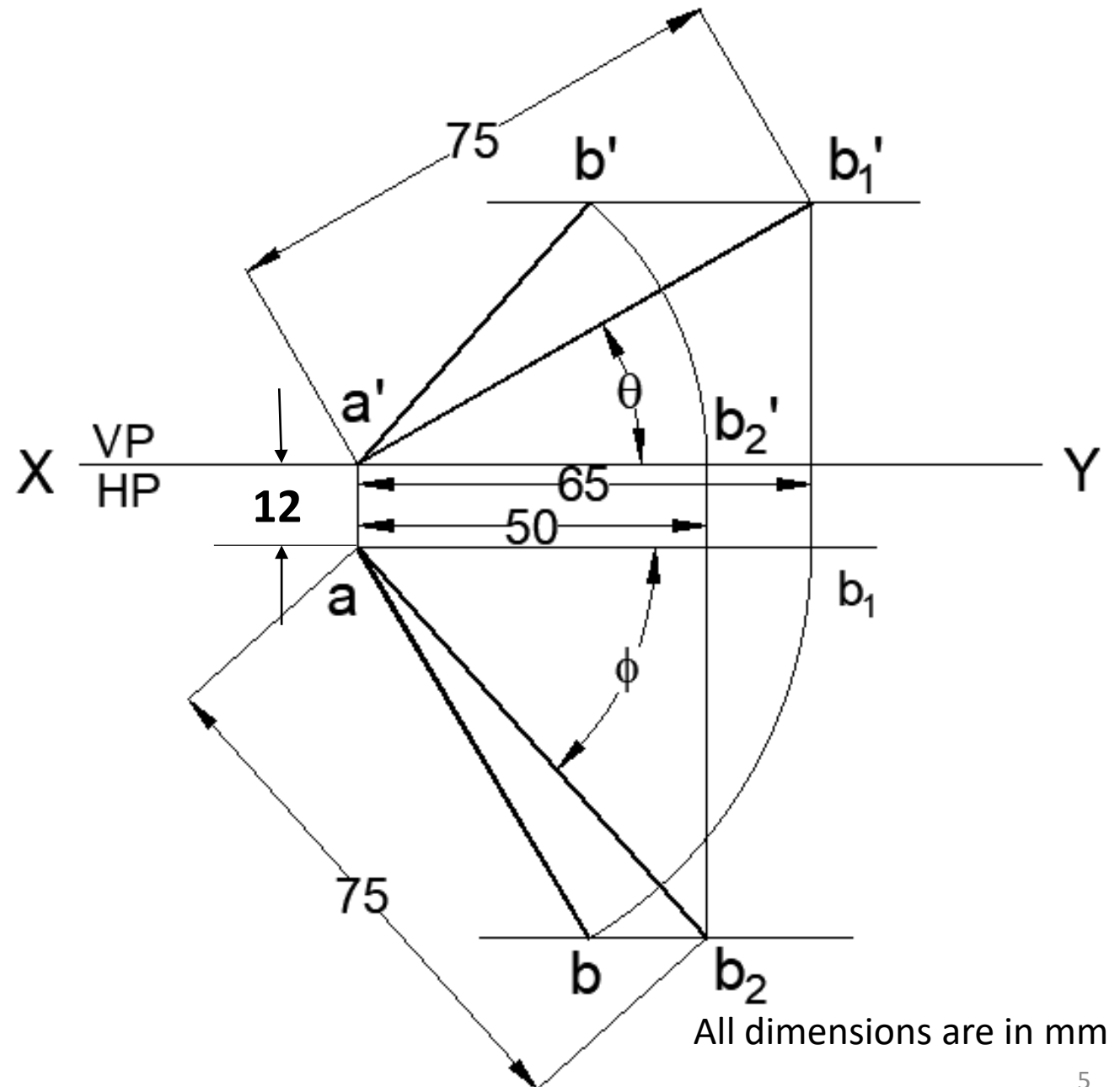
## QUESTION BANK: PROJECTION OF LINES - PROBLEM 12

A line CD of length 80 mm is inclined at  $30^\circ$  to HP and  $45^\circ$  to VP. The midpoint M of the line is 50 mm above HP and 70 mm in front of VP. Draw the projections of the line.



### QUESTION BANK: PROJECTION OF LINES - PROBLEM 13

The top view of a 75 mm long line AB measures 65 mm, while the front view is 50 mm. End A is in HP and 12 mm in front of VP. Draw the projections of line AB and determine its inclination with HP & VP.



## QUESTION BANK: PROJECTION OF LINES - PROBLEM 15

The end P of a line PQ is 40 mm above HP and 20 mm in front of VP. Other end Q is 20 mm above HP and 50 mm in front of VP. The top view of the line is inclined at  $30^\circ$  to XY line. Draw the projections.

