MCP 100 LAB SHEET 4 TIME:- 2.5 HOURS

Q1. The projections of a triangle plate PQR is shown in FIG. 1

Point p' is 5mm above the R.L.
Point q is 5mm below the R.L.
pq makes an angle of 30° with R.L.
p'q' makes an angle of 45° with R.L.
qr = 95mm, p'q' = 80mm, r'p' = 80mm, q'r' = 45mm

Draw the projection of the plate and determine the true shape of the plate PQR.

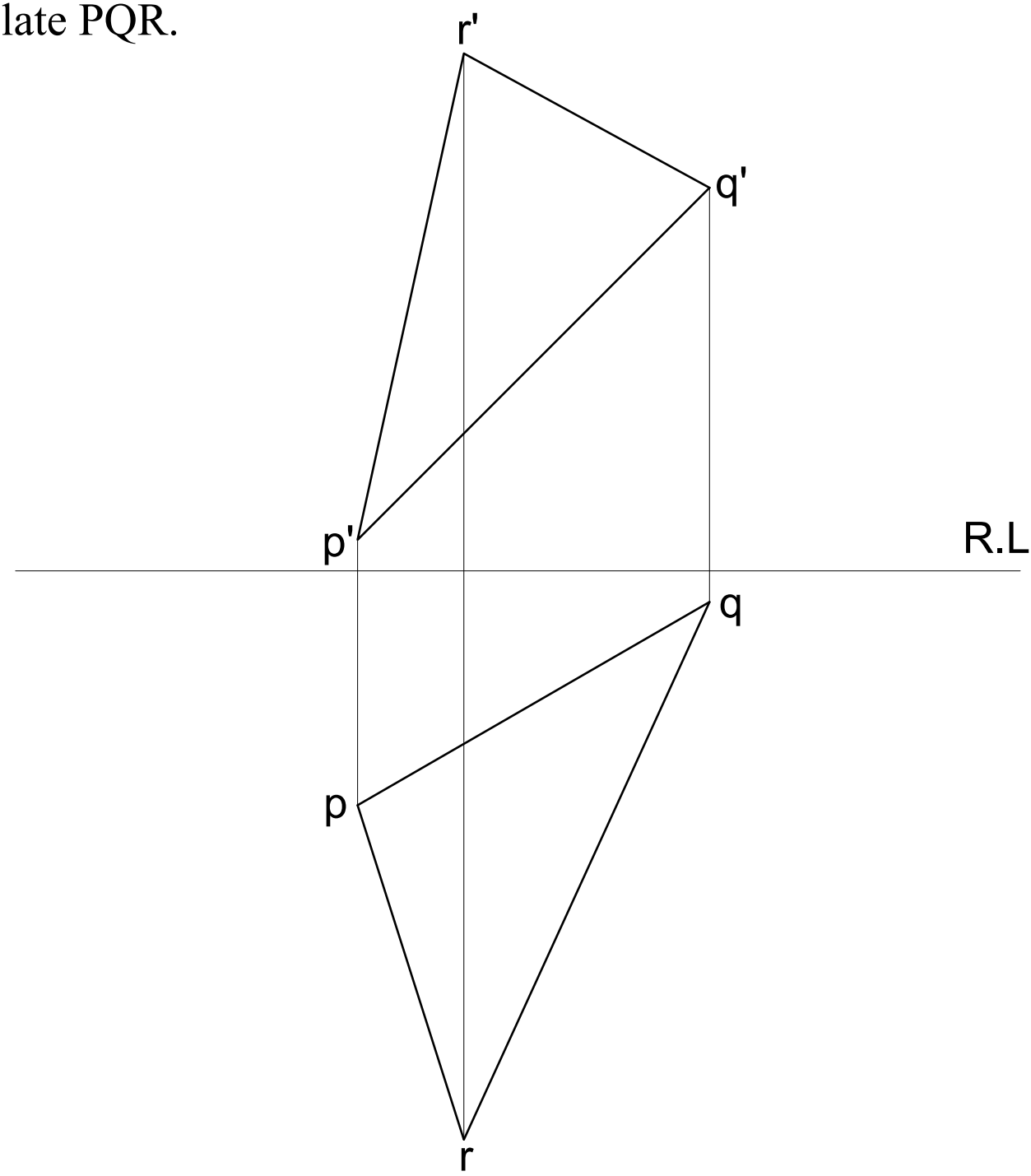
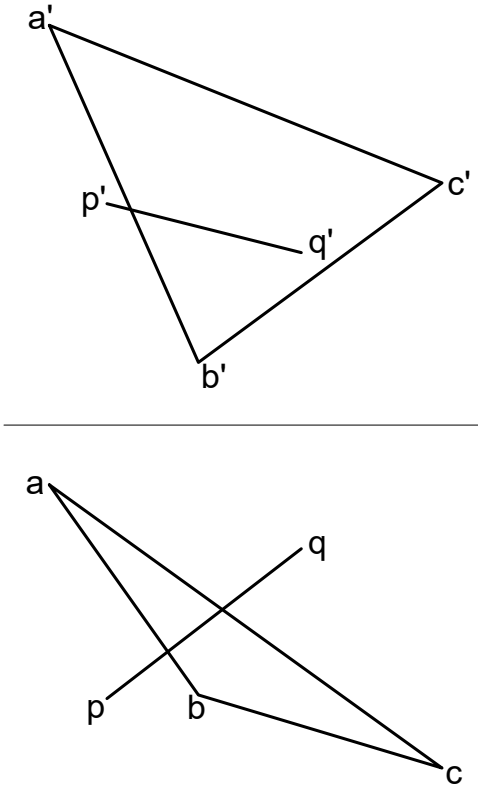


FIG. 1

Q2. Locate the intersection point of line PQ with plane ABC.



Q3. Draw the orthographic views of the given Fig.1 in 1st angle of projection. Use unidirectional dimensioning system.

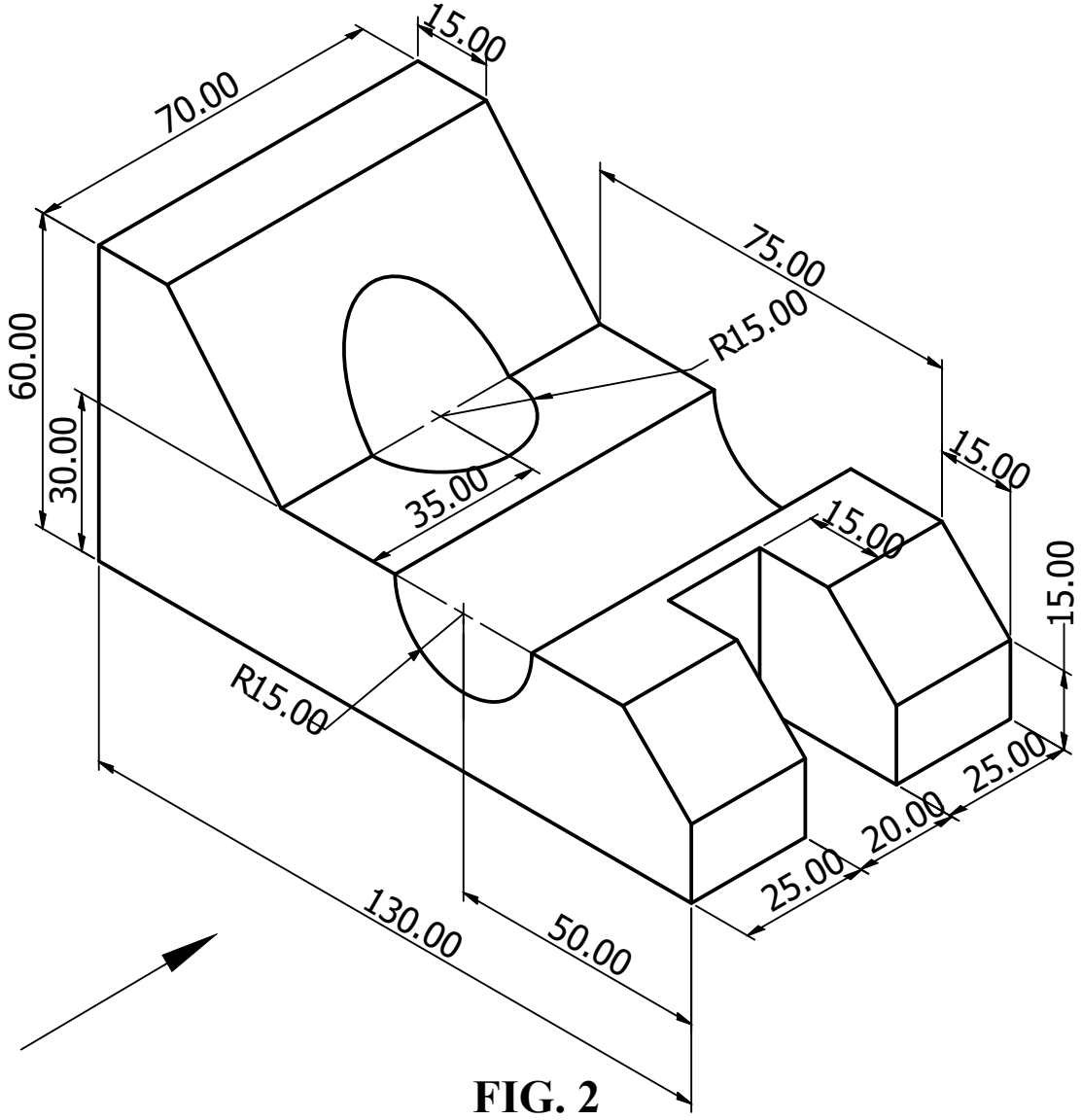


FIG. 2