

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.

$qr = 95\text{mm}$, $p'q' = 80\text{mm}$, $r'p' = 80\text{mm}$, $q'r' = 45\text{mm}$

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

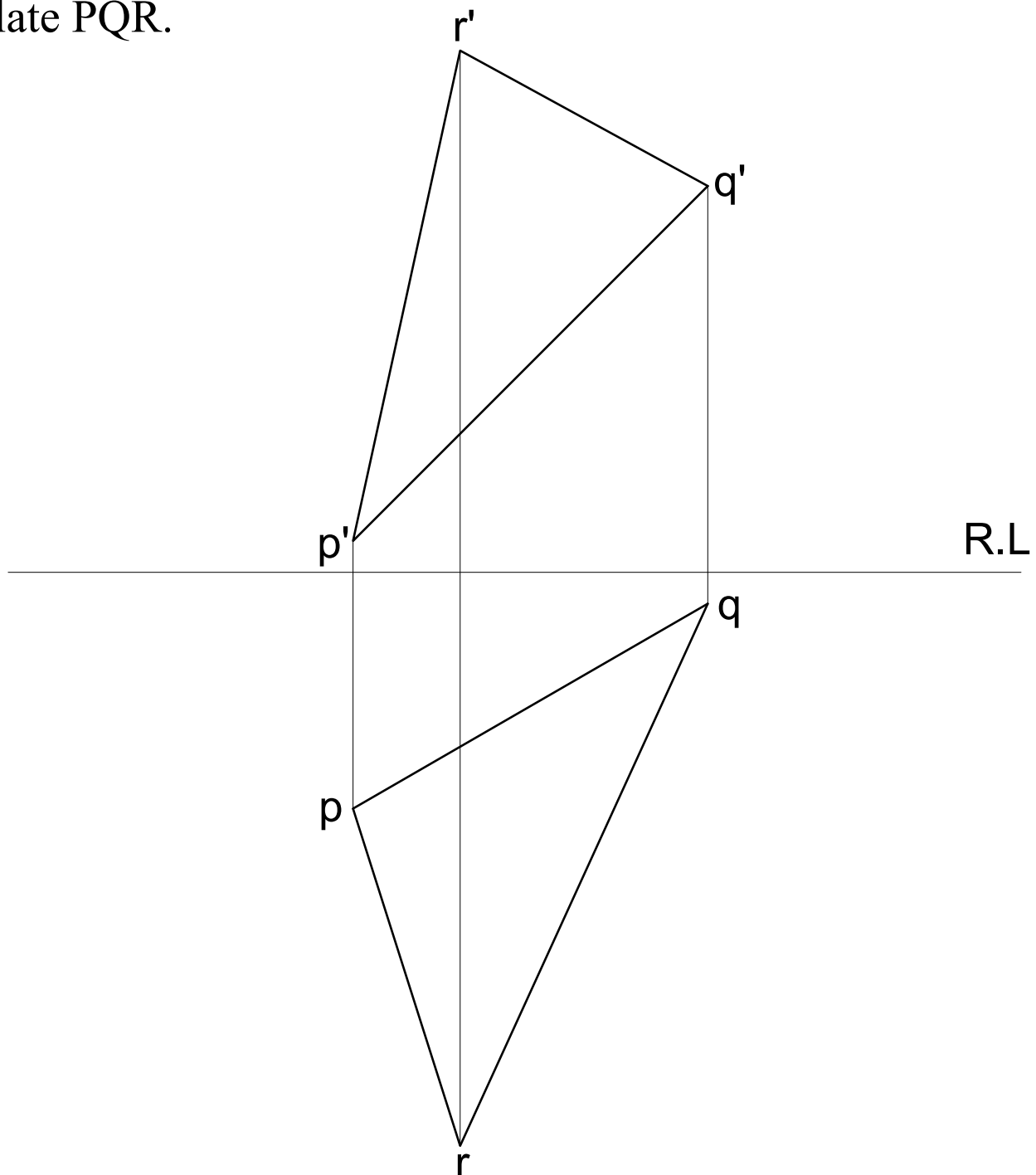


FIG. 1

Determine the True Length of the line by using: -

- Q3. Draw the orthographic View (Top, Front and Side View) of the FIG. 2 and FIG. 3 according to the frontal viewing direction:-



Front, Top and Left side view



Front, Top and Right side view