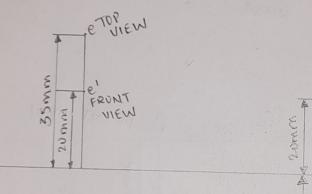
1) A point lying romm above the xy line represents the front view of 2 points E and F. The view of E is 35mm behind VP, and the top view of F is 40 mm infront of VP.

Draw projections of two points and state their positions with reference planes and quadrant in which they lie.

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Point F is above HP and 35mm behind MP.

(I quadrant). (LA BOMEN ME MANSOT

alem se over 30 %

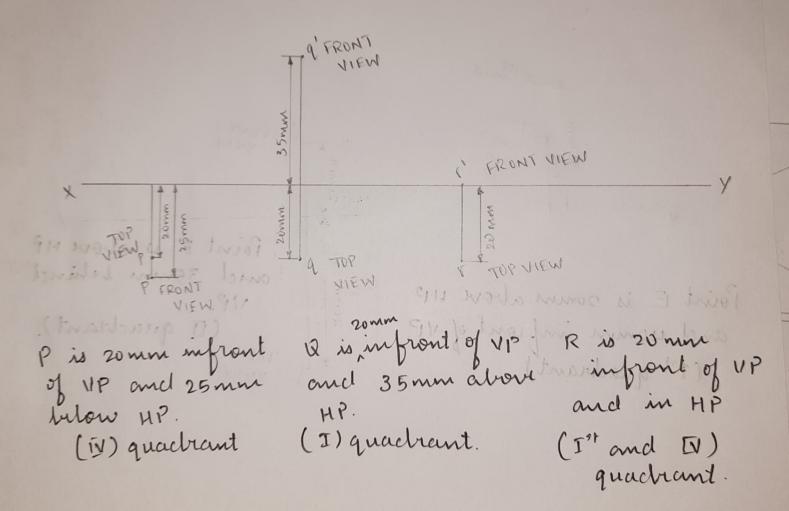
and 40 mm infront of VP.

(I't quadrant)

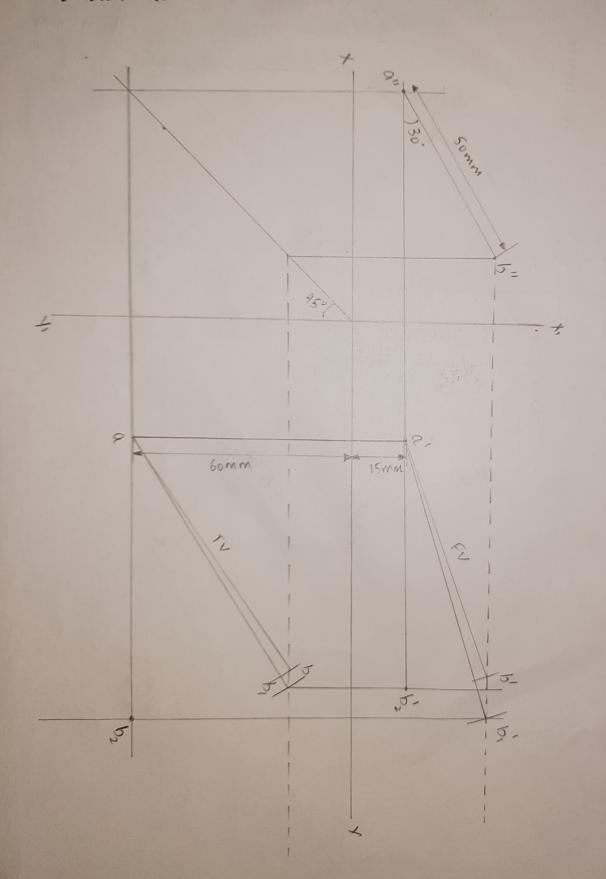
Point E is somm above 412

(17 some [1])

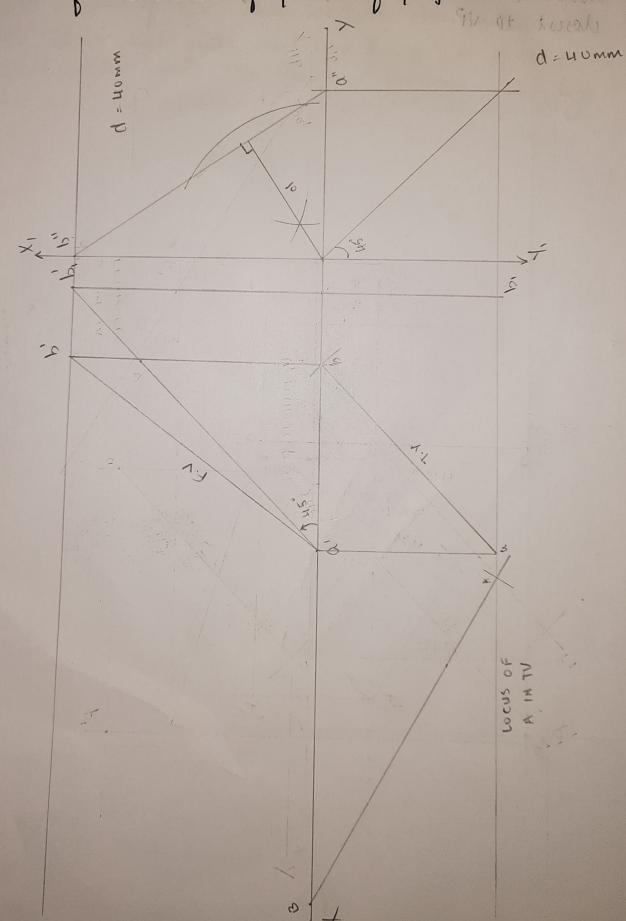
2) A point lying 20mm below the XY line is the top view of three points P, Q and R, P is 25 mm below HP. The point Q is 35mm above HP and the point R is in HP. Draw the projections of the three points and state their positions widh the reference planes and the quadrants in which they lie.



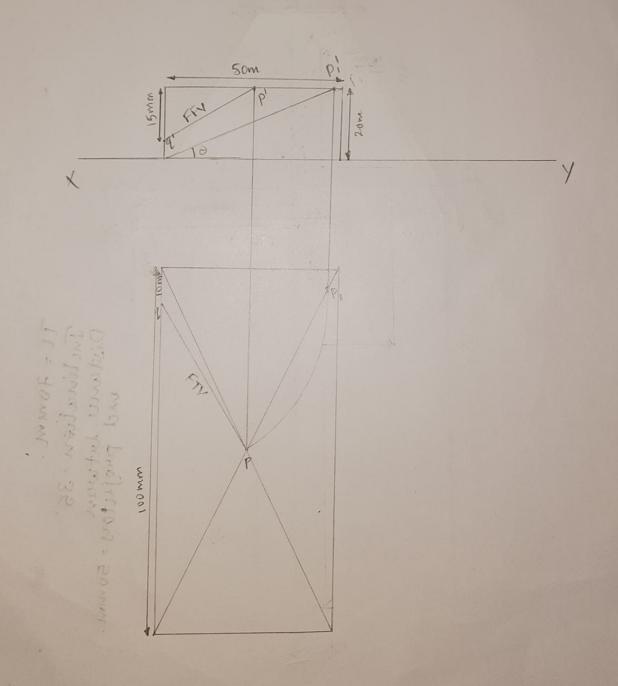
long, makers an angle of 30 to the xY line. Draw the tops and front views of the line when the length of the profile view is 50 mm. Take the point A to be 15 mm above HP and 60mm infront of VP and point 13 being closest to VP.



4) Draw the projections of a straight line AB, 100 mm long, inclined at 45° to HP and 30° to UP. The end A is in HP and end 13 is in UP. Find the shortest distance between the straight line AB and the line of intersection of planes of projection.



5> An anchitorium of a college is having room length, som width and room height. One of the light points is fitted at the untre of the roof, and its switch is legst on one of the sich walls of the auditorium, 1.5m above the floor and rom from one of the adjacent wall. Find the distance between the light point and its switch.



Line EF has end E 10 mm above HP and 15 mm infront of 11P. Fnd F is 45 mm above HP and the front view massives 60 mm. obo The line is melined at 30' to 11P. Praw its projections, determine its true length, inclination with HP and distance between and projectors of this line.

10mm Distance Interes = 50 mm