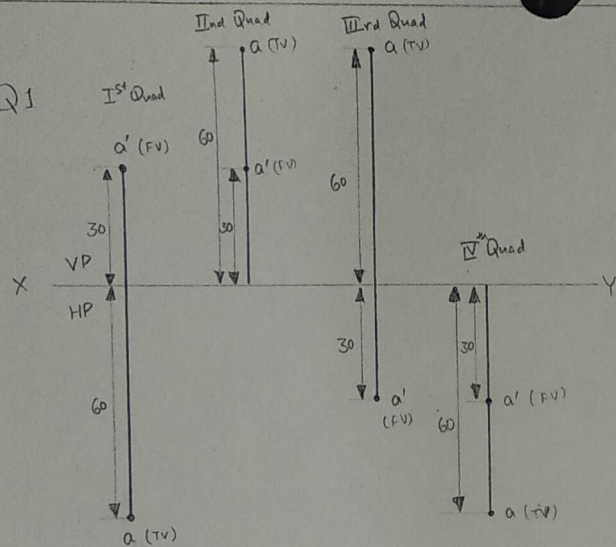
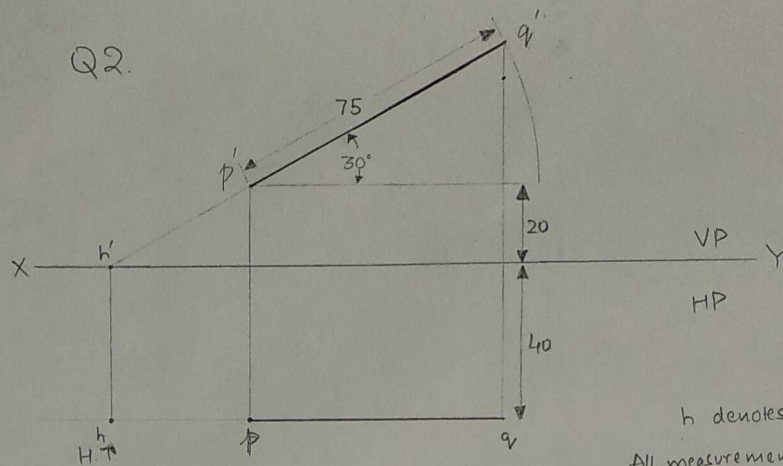


Q1



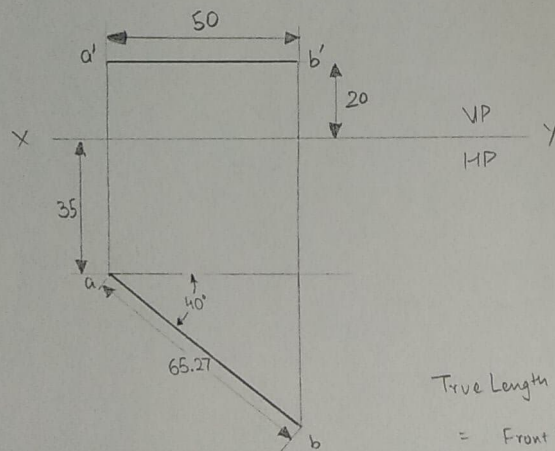
All measurements in mm

Q2.



h denotes H.T.
All measurements in mm

Q3.

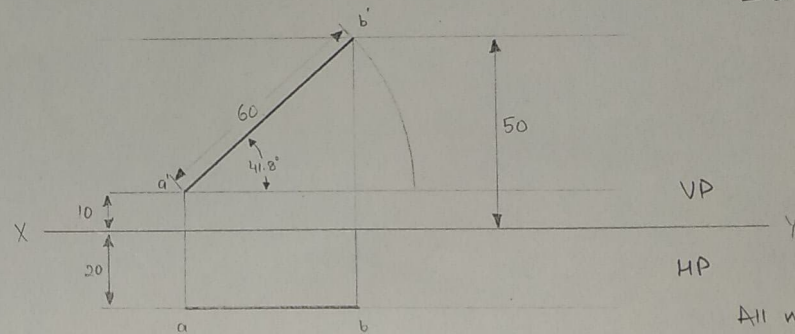


True Length (T.L.)

$$= \frac{\text{Front View Length}}{\cos 40^\circ} = 65.27$$

All measurements in mm

Q.4.



$$\begin{aligned} \text{Inclination } \theta &= \sin^{-1} \left(\frac{40}{60} \right) \\ &= 41.8^\circ \end{aligned}$$

All measurements in mm

NAME: ANINDYA VIJAYVARGEEYA

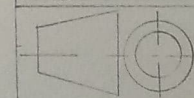
INSTITUTE: IIT GUWAHATI

ROLL No.: 200101015

TUT. GROUP: 1

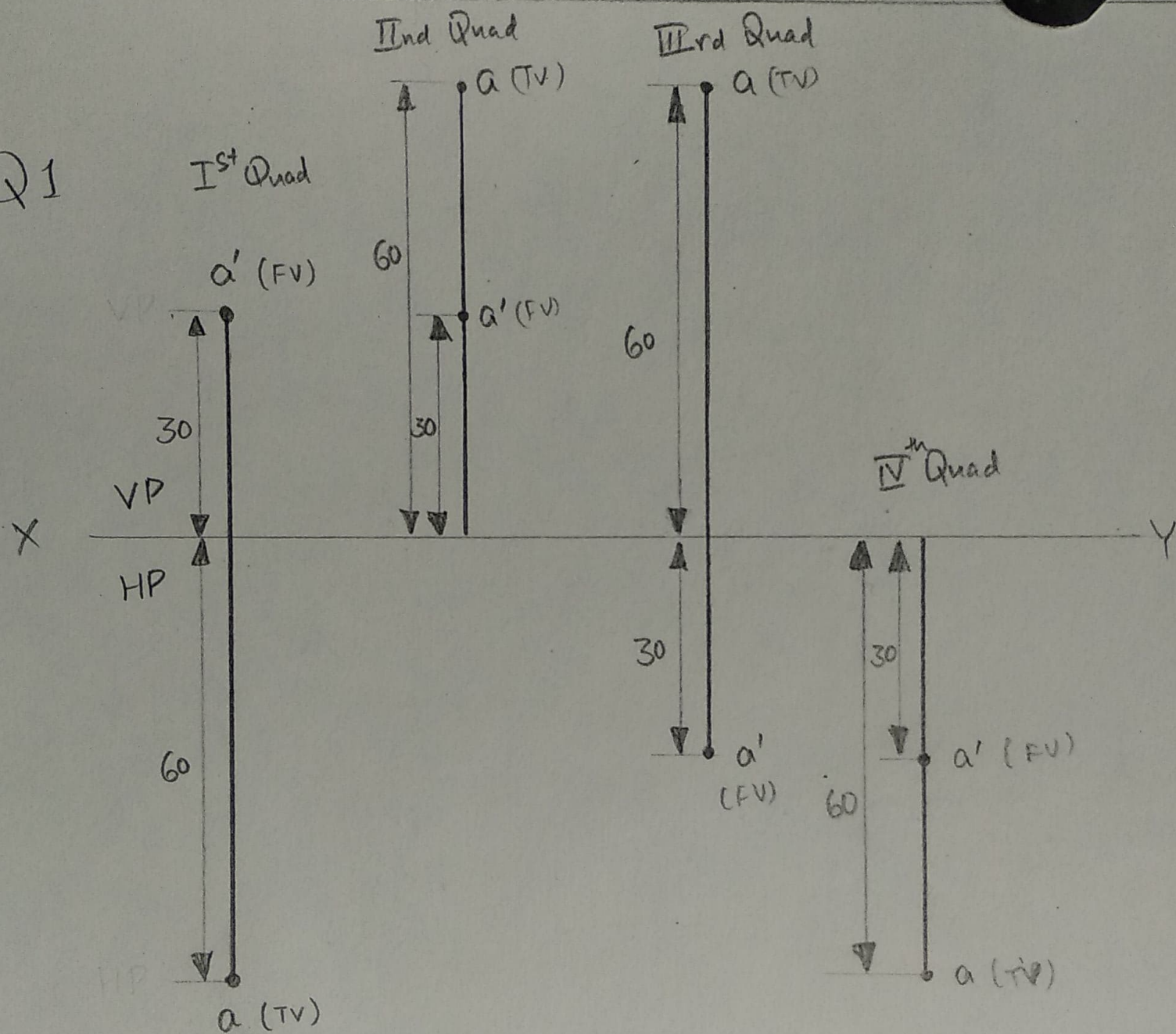
SHEET No.: 4

DATE: 22-12-2020



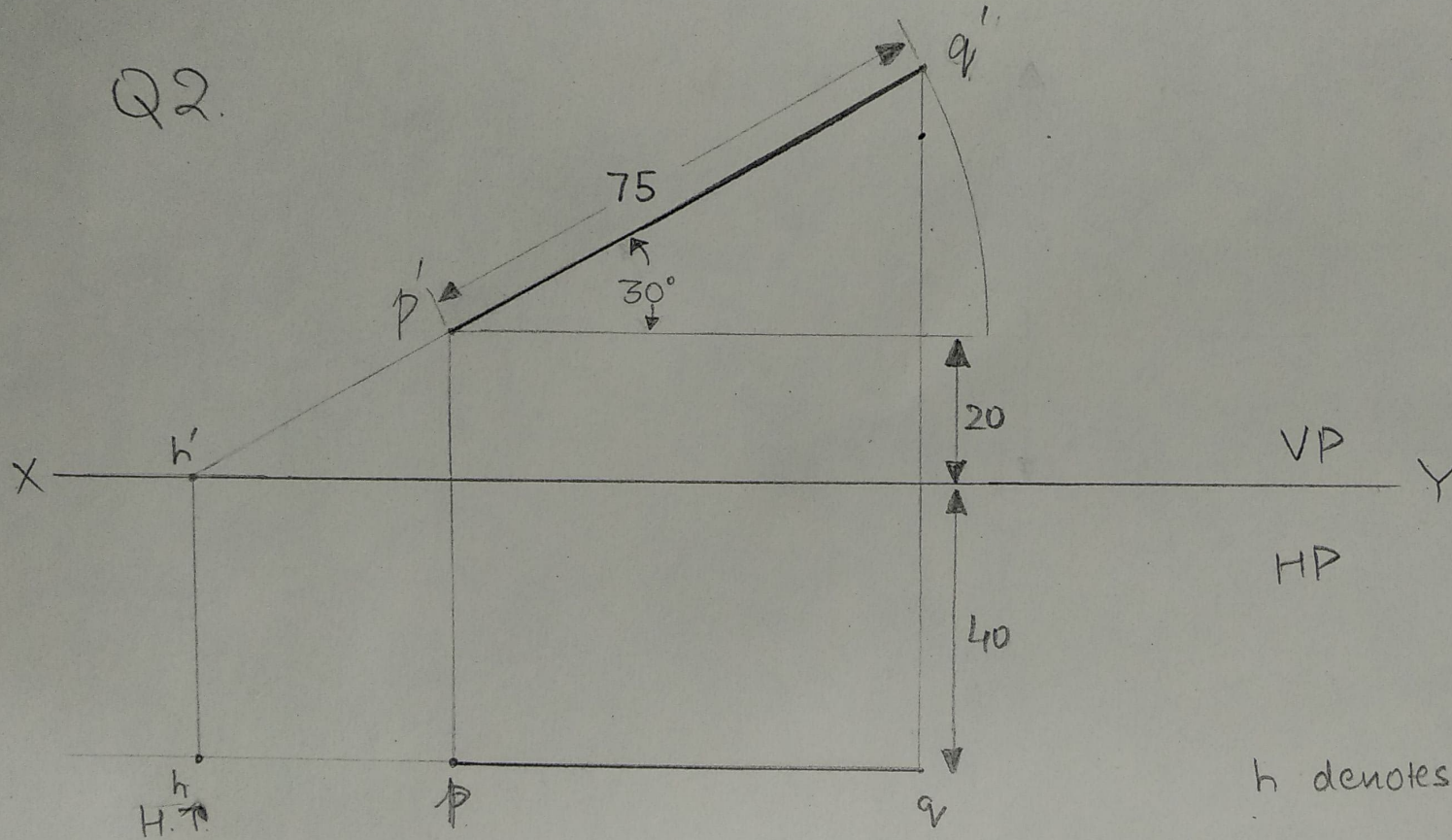
PROJECTION OF LINES

Q1



All measurements in mm

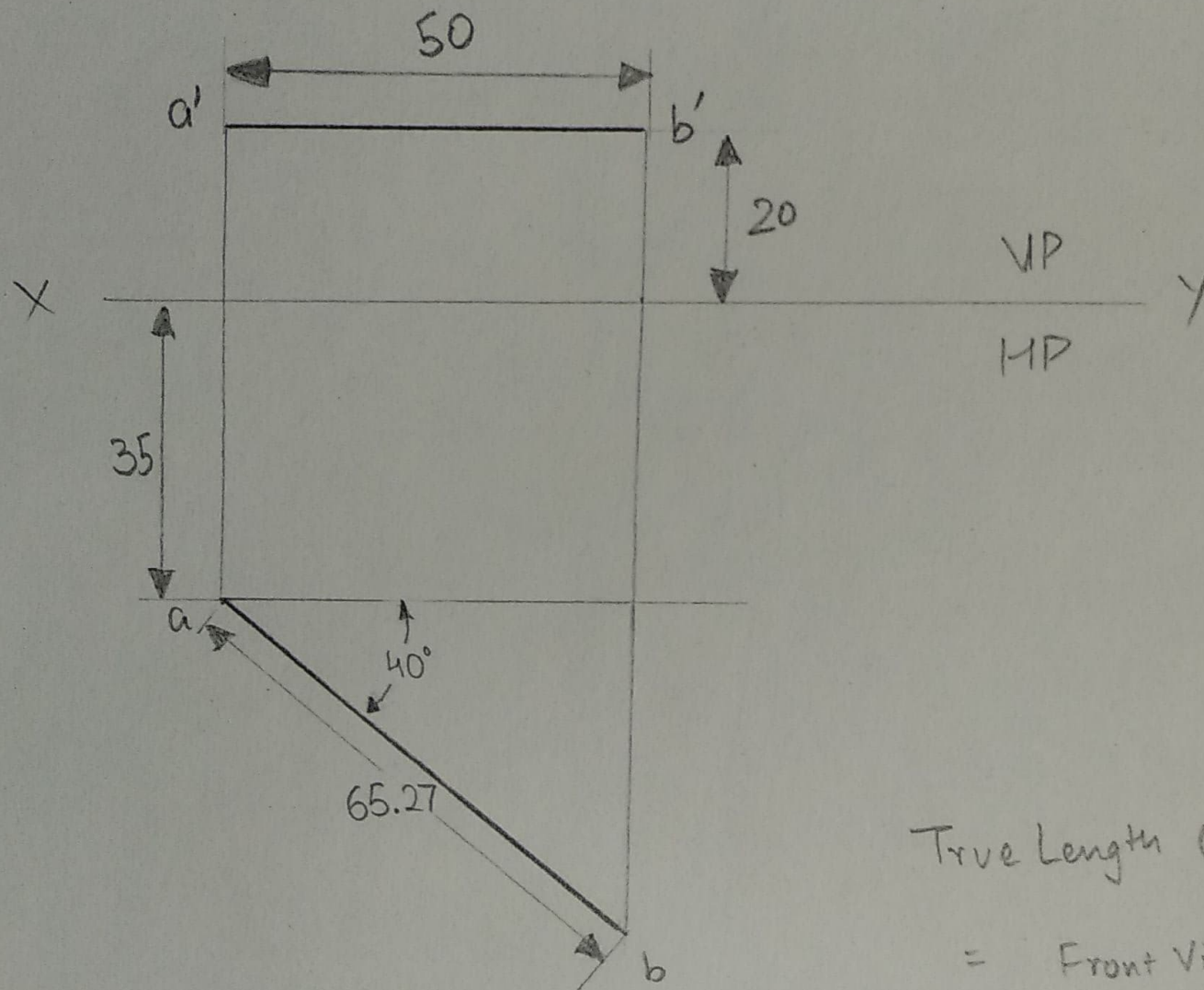
Q2.



h denotes H.T.

All measurements in mm

Q3.

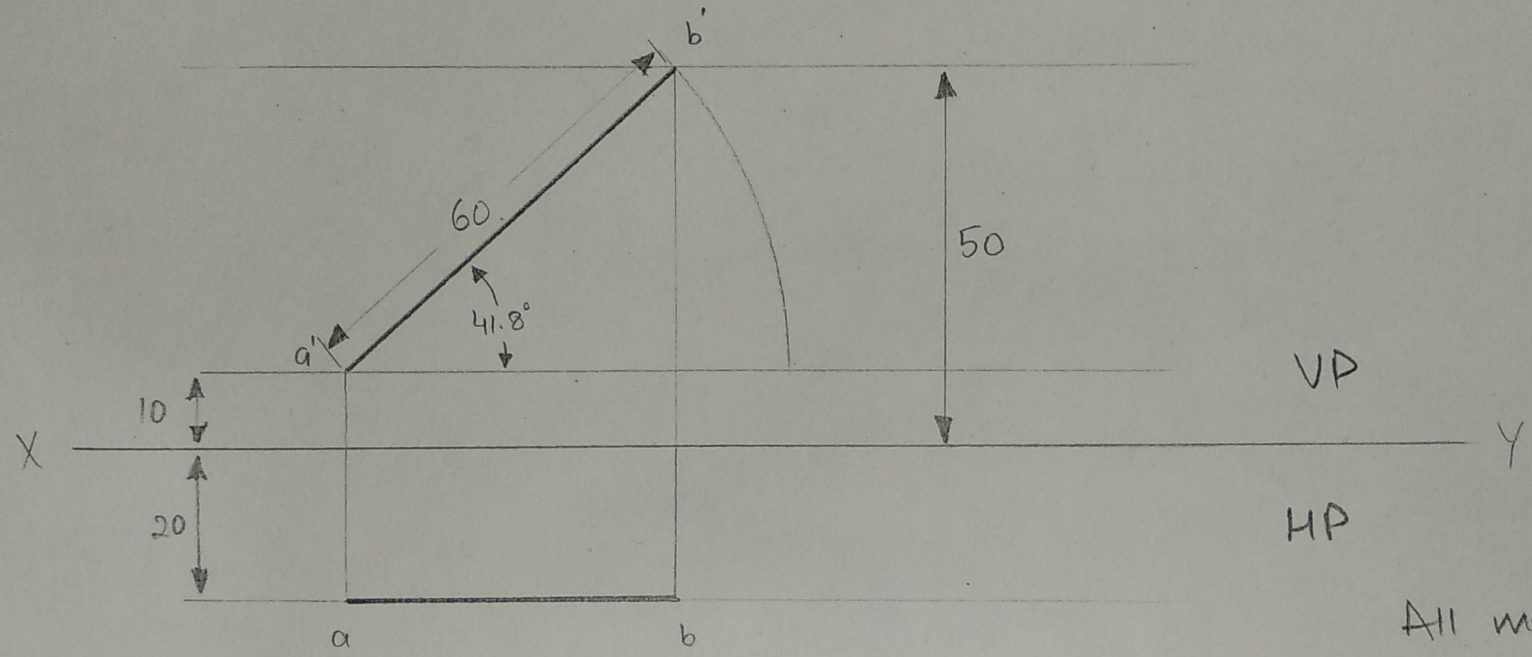


True Length (T.L.)

$$= \frac{\text{Front View Length}}{\cos 40^\circ} = 65.27$$

All measurements in mm

Q.4.



Inclination ' θ '

$$= \sin^{-1} \left(\frac{40}{60} \right)$$

$$= 41.8^\circ$$

All measurements in mm