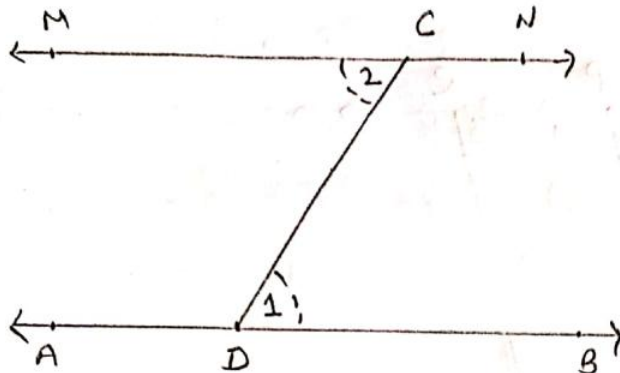


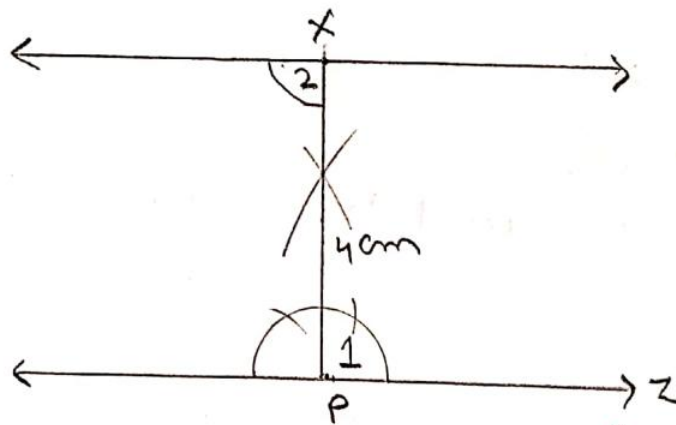
Ex-10.1

- Q1 → (a) Draw a line AB .
(b) Take any point D on it.



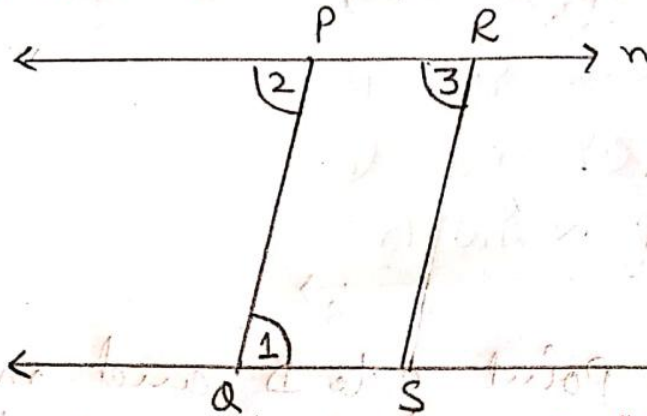
- (c) Join the given point C to D and mark $\angle 1$ to $\angle CDB$.
(d) Mark $\angle 1 = \angle 2$ at C and produce to both sides.
(e) MN is the required line.

- Q2 → (a) Draw a given line z and take any point P on it.
(b) Draw a perpendicular line at P to the line z such that $PX = 4\text{ cm}$.



- (c) Draw $\angle 2 = \angle 1$ i.e. 90° at PX and produce the line both sides.
(d) m is the required line parallel to z through X .

- Q3: (a) Draw a line m and take any point P not on m .
 (b) Draw a line n parallel to m through P .
 (c) Join P and Q .



- (d) PQ makes $\angle 1$ with m and $\angle 2$ with n which are equal angles.
 (e) Take any point R on n and draw $\angle 3$ equal to $\angle 2$ to meet m at S such that $PQ \parallel RS$.
 (f) Since $m \parallel n$ and $PQ \parallel RS$.
 Therefore, $PQSR$ is a parallelogram.