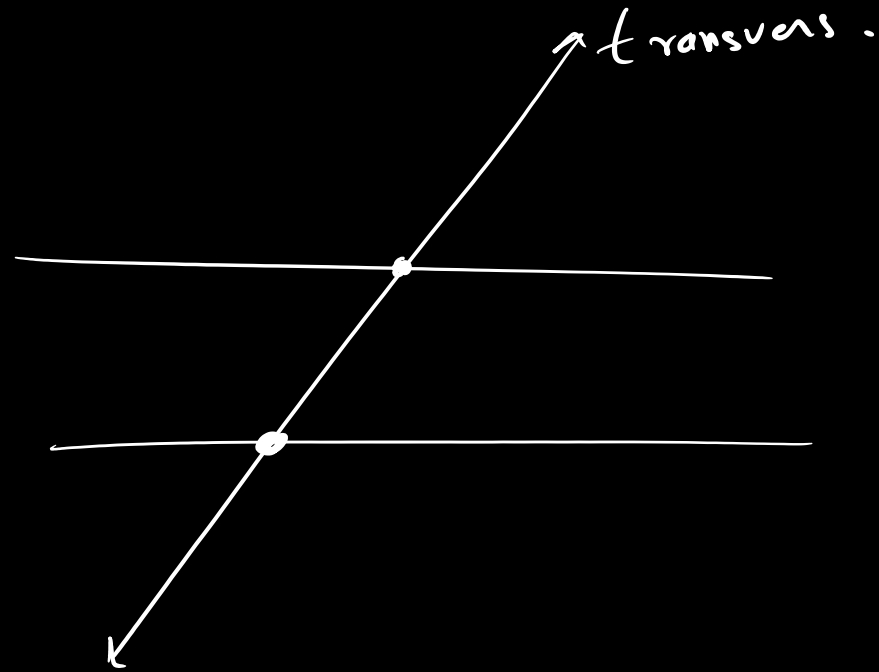
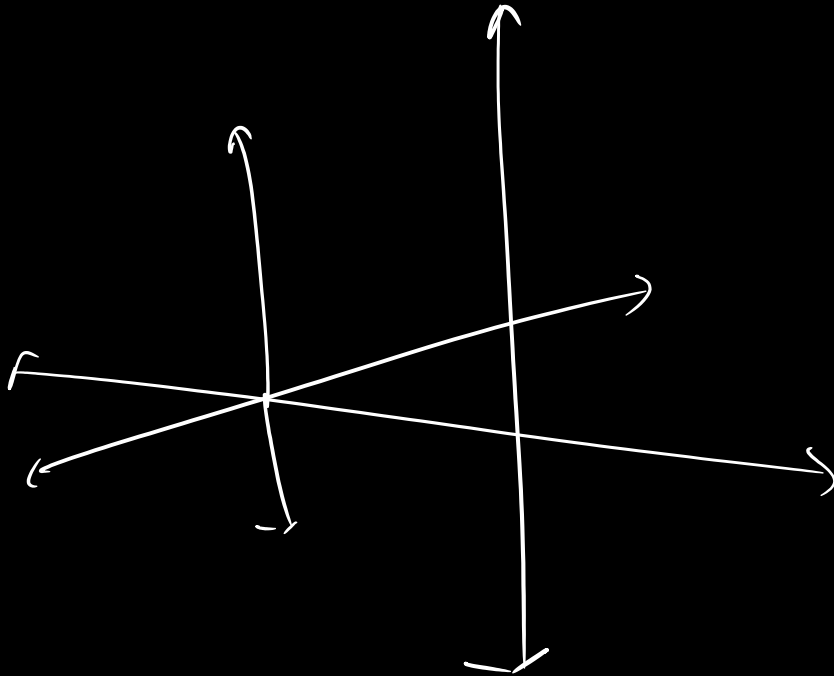


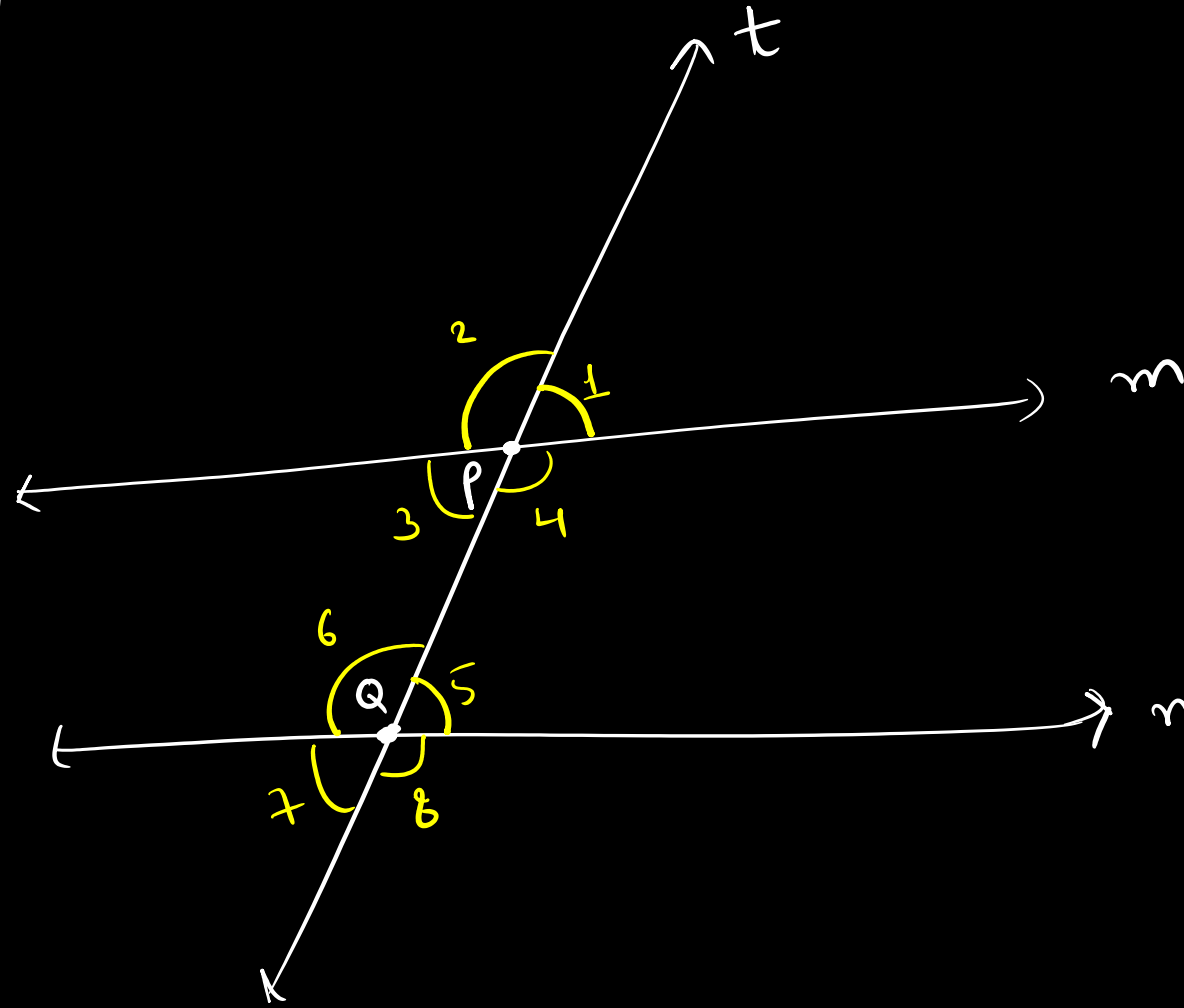
Transversals

Transversals



Slides of lecture 1 is missing due to some technical issue. The content will be added soon.

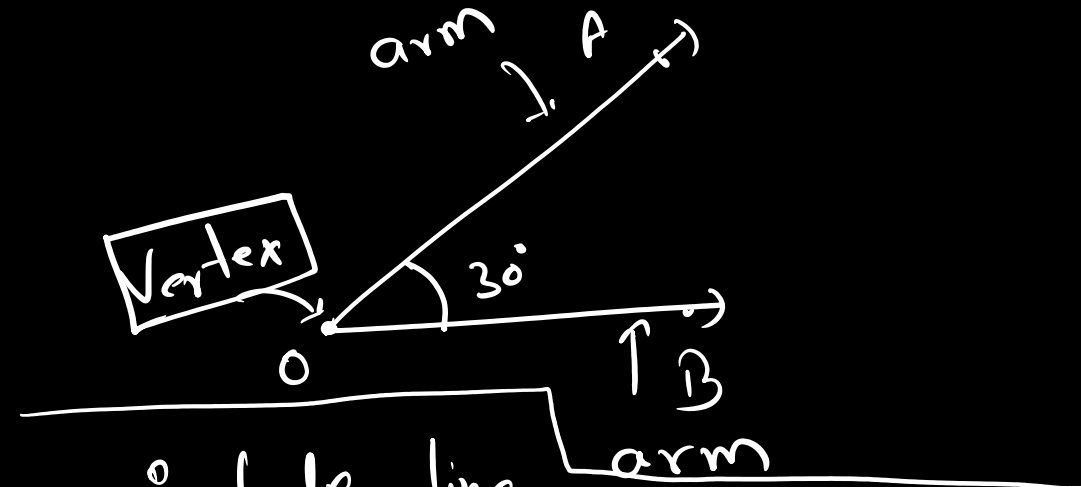
Angles made by a transversal with two lines.



Exterior angles

The angle whose arms do not include the line segment PQ.

eg. $\angle 1$, $\angle 2$, $\angle 7$ and $\angle 8$ are exterior angle.



Interior angles:

The angles whose arms include line segment PQ.

eg. $\angle 3$, $\angle 4$, $\angle 5$ and $\angle 6$ are interior angles.

Corresponding angles (Pair)

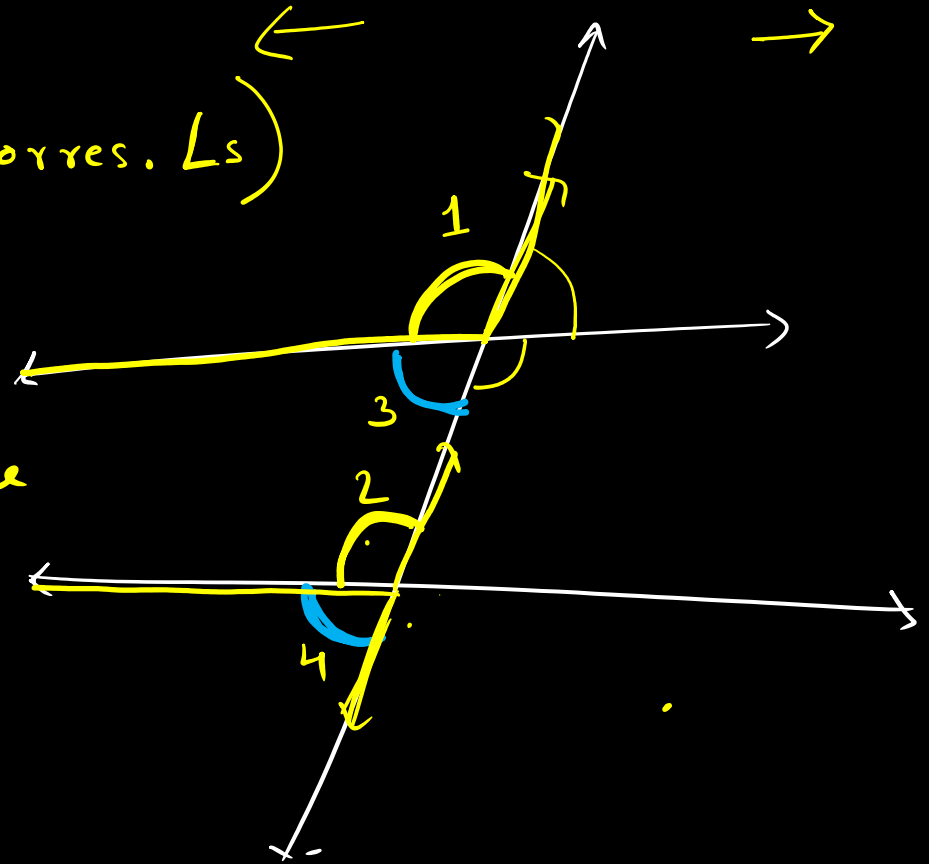
L1 and L2 are corresponding angle (Corres. As)

Def:

A pair of angles in one arm of both the angles is on the same side of the transversal and the other arms are directed in the same sense is called

a pair of corresponding angles.

eg. L1 and L2 are corresponding As.



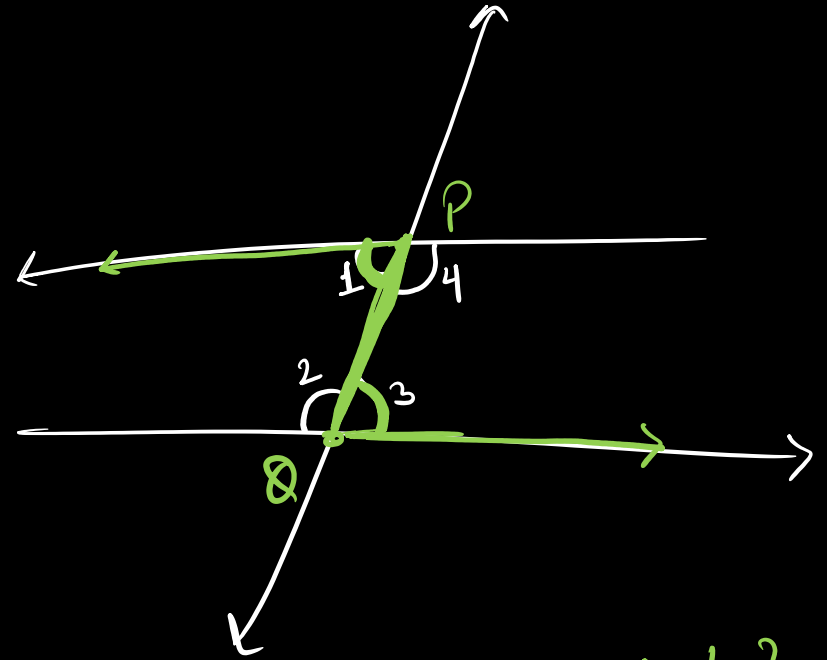
Alternate angles

Interior

Exterior

Alternate Interior Angles (alt. int. \angle s)

\Rightarrow A pair of angles in which one arm of each of the angles is in the opposite sides of the transversal and whose other arms include the segment PQ.



L1 and L3
L2 and L4

Alternate Exterior Angles

A pair of angles in which one arm of each pair of the angle is on opposite side of the transversal and whose other arms are directed in opposite direction and do not include segment PQ.

eg, $\angle 1$ and $\angle 4$ are alt. ext. \angle s
 $\angle 2$ and $\angle 3$ are alt. ext. \angle s

