

CHAPTER 06

Lines and Angles

Co-Exterior angles:

Two angles are exterior angles and lie on the same side of the transversal are called "Co-exterior angles".

Here, Co-exterior angles are,

- $\angle 1$ and $\angle 8$
- $\angle 2$ and $\angle 7$

Corresponding angles:

Two angles are said to be pair of corresponding angles if they are on the same side of the transversal with one angle interior and the other angle exterior and the angles are not adjacent angles.

Here, pair of corresponding angles are,

- $\angle 1$ and $\angle 5$
- $\angle 2$ and $\angle 6$
- $\angle 3$ and $\angle 7$
- $\angle 4$ and $\angle 8$

Alternate interior angles:

Two angles are said to be a pair of alternate angles if the angles are interior angles, which lie on either side of the transversal and are not adjacent angles.

Here, alternate exterior angles are,

- $\angle 3$ and $\angle 5$
- $\angle 4$ and $\angle 6$

Alternate exterior angles:

Two angles are said to be a pair of alternate exterior angles if the angles are exterior angles, which lie on either side of the transversal and are not adjacent angles.

Here, alternate exterior angles are,

- $\angle 1$ and $\angle 7$
- $\angle 2$ and $\angle 8$