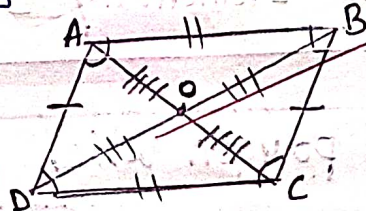


- Parallelogram :
 - Opposite sides are equal and parallel.
 - Opposite angle are equal.
 - Adjacent angle are supplementary.
 - Diagonal bisect each other.

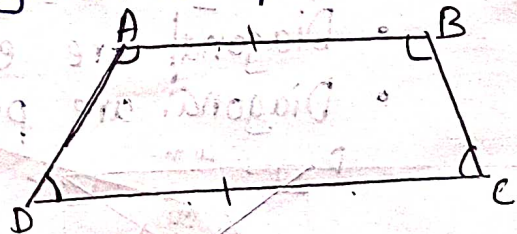


$$\angle B + \angle C = 180^\circ$$

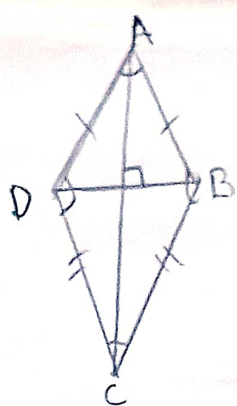
$$\angle D = \angle B$$

$$\angle A = \angle C$$

- Trapezium : One pair of opposite side is parallel.
 - Sum of adjacent angle on non-parallel sides of trapezium is 180° .



- Kite : Pair of adjacent side are equal.
 - One pair of opposite angle are equal.
 - Diagonal are perpendicular to each other, the longer diagonal bisect the shorter diagonal.

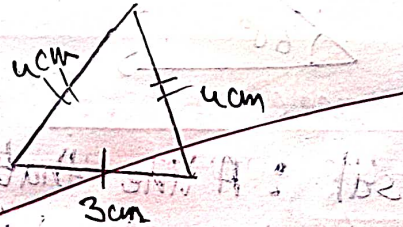
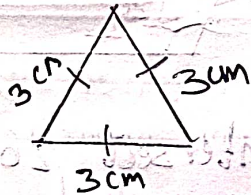
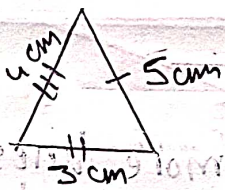


oo (a)

ok (a)

→ Classification of Triangle based on sides.

- Scalene triangle: A triangle having all 3 unequal sides.
- Isosceles triangle: A triangle having 2 equal sides.
- Equilateral triangle: A triangle having all 3 sides equal.



→ Naming triangles based on angles

- Acute angled triangle.
- Right angled triangle.
- Obtuse angled triangle.