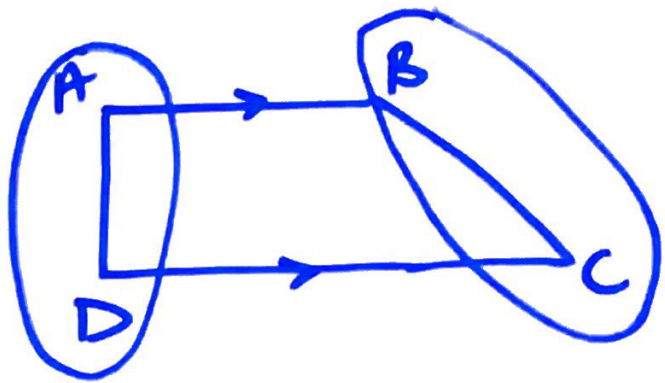


9.13 Kites & Trapez Rev.

Non Isosceles Trapezoid:



- ① one pair of opposite sides that are \parallel .

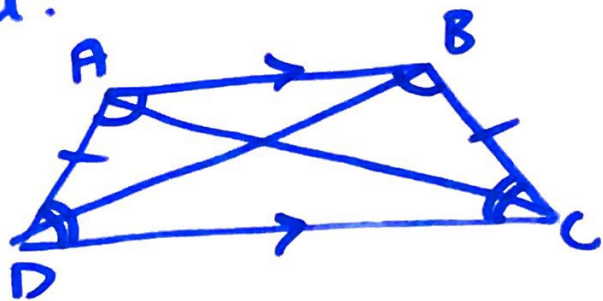
(BASES)

\overline{AB} & \overline{DC} are bases

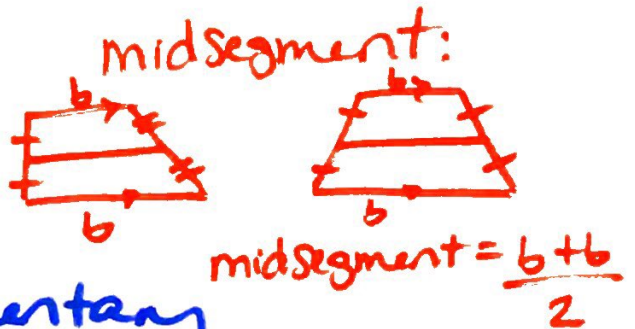
- ② consecutive angles are supplementary
 $\angle A + \angle D = 180$ & $\angle B + \angle C = 180$

Isosceles Trapezoid:

- ③ Legs are \cong .
 (non parallel sides)
 $\overline{AD} \cong \overline{BC}$



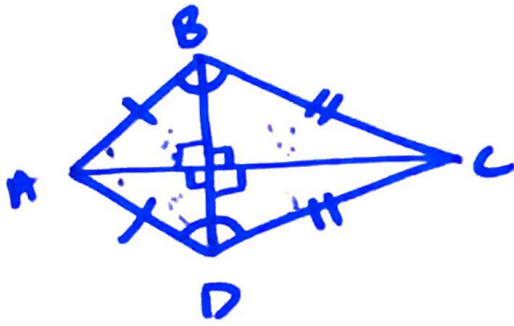
- ④ Base angles are \cong .
 (2 sets of base \angle 's)
 $\angle A \cong \angle B$ & $\angle D \cong \angle C$



- ⑤ opposite \angle 's are supplementary
 $\angle A + \angle C = 180$ & $\angle B + \angle D = 180$

- ⑥ Diagonals are \cong .
 $\overline{AC} \cong \overline{BD}$

Kite:



① 2 pairs of consecutive \cong sides.

$$\overline{AB} \cong \overline{AD} \text{ \& } \overline{BC} \cong \overline{DC}$$

② 1 pair of \cong opp. \angle s.
 $\angle B \cong \angle D$

③ Diagonals are \perp (perpendicular).
 $\overline{BD} \perp \overline{AC}$