

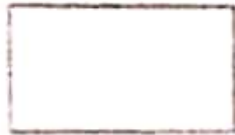
QUADRILATERALS

// parallel
 ⊥ perpendicular

Parallelogram



Rectangle



Rhombus



Square



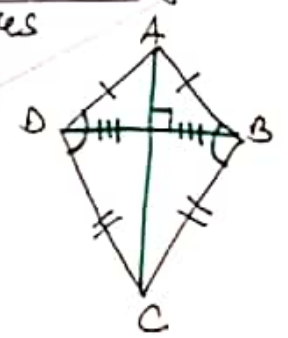
Trapezoid

1. 1 pair of // sides
2. consecutive angles are supplementary

Isosceles Trapezoid

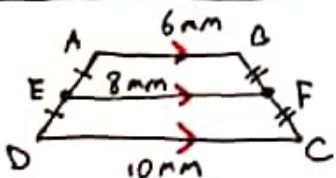
1. 1 pair of // sides
2. consecutive angles supplementary
3. legs are congruent
4. 2 sets of congruent base angles
5. Diagonals are congruent

★ legs: are the 2 non parallel sides



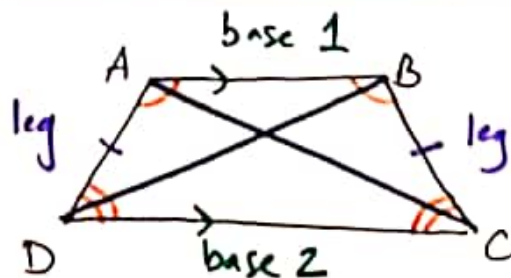
- 2 pairs of congruent
1. adjacent sides.
 2. diagonals are ⊥
 3. 1 pair of congruent angles

Trapezoid Midsegment Theorem



• Midsegment is parallel to bases.

$$EF = \frac{1}{2}(AB + DC)$$



$$\begin{aligned} \angle A + \angle D &= 180 \\ \angle B + \angle C &= 180 \\ \overline{AC} &\cong \overline{DB} \end{aligned}$$

QUADRILATERALS

Parallelogram



Rectangle



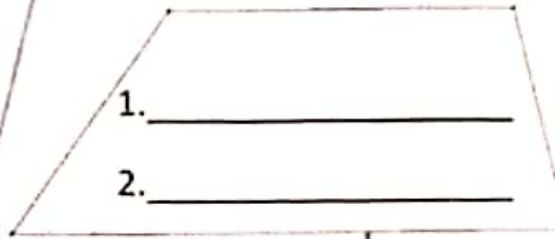
Rhombus



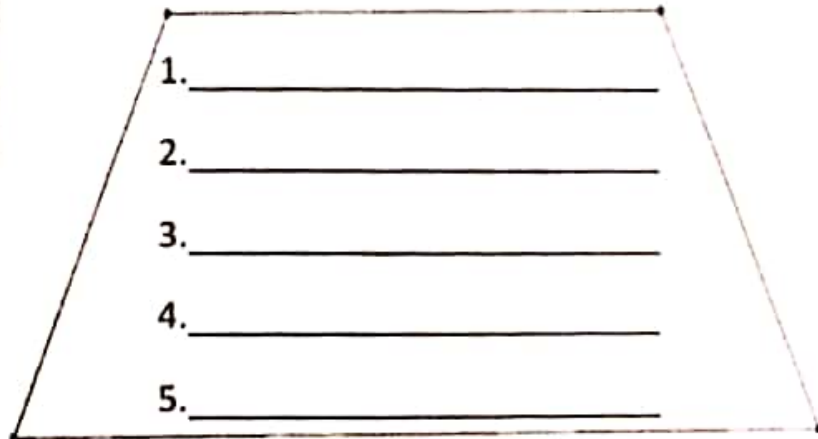
Square



Trapezoid



Isosceles
Trapezoid



Kite

