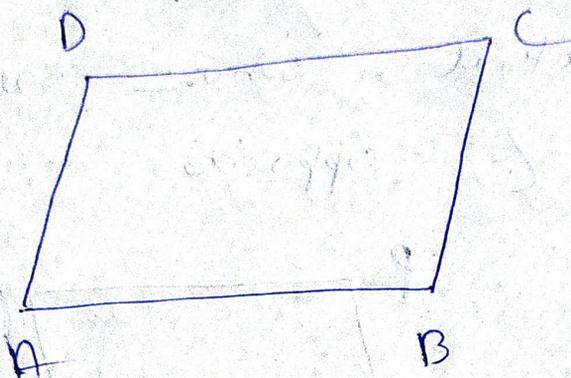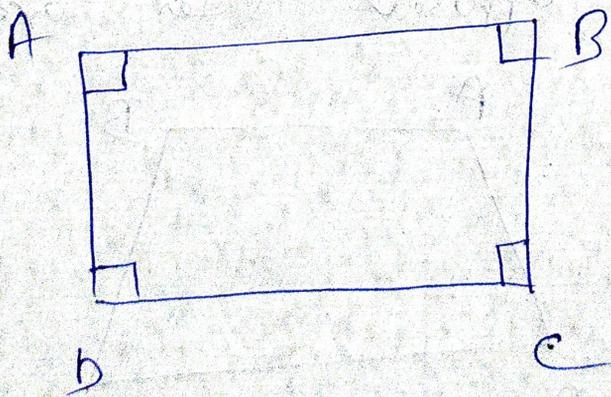# Types of Quadrilaterals

1) **Parallelogram** :— A parallelogram is a 4-sided closed figure, that is, a quadrilateral, whose opposite sides are parallel.

D _____ C

A _____ B

2) **Rectangle** :— A rectangle is a quadrilateral in which all the angles are 90° and opposite sides are equal and parallel.
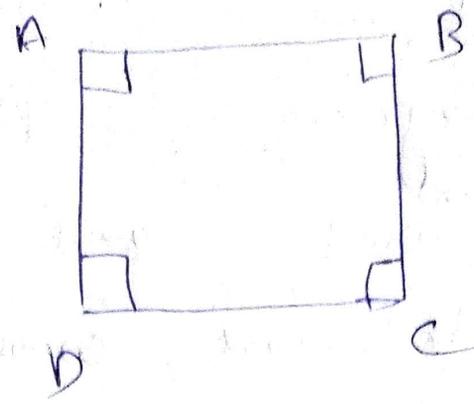
A _____ B

D _____ C

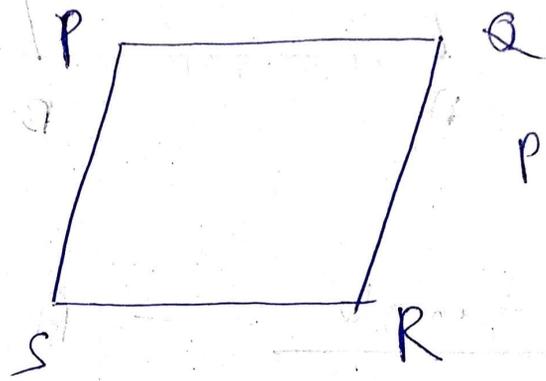$AB = DC$
and
$AD = BC$.

3) **Square** :— A square is a quadrilateral in which all the

angles are 90° and all sides are equal.

A _____ B

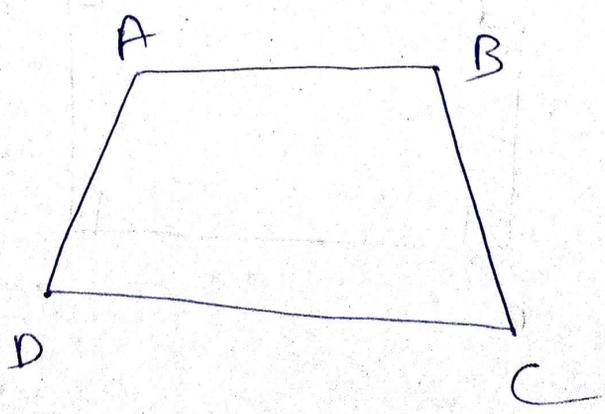AB = BC = CD
= DA

D _____ C

4) **Rhombus** :- A rhombus is a quadrilateral whose all sides are equal & opposite sides are parallel.

P _____ Q

PQ = QR = RS
= SP

S _____ R

5) **Trapezium** - A quadrilateral is called trapezium if a pair of its opposite sides are parallel.

A _____ B

D _____ C

Questions

1) A quadrilateral has ——— diagonals

2) All sides of a rhombus are ———

3)

P ▭ Q

S   R
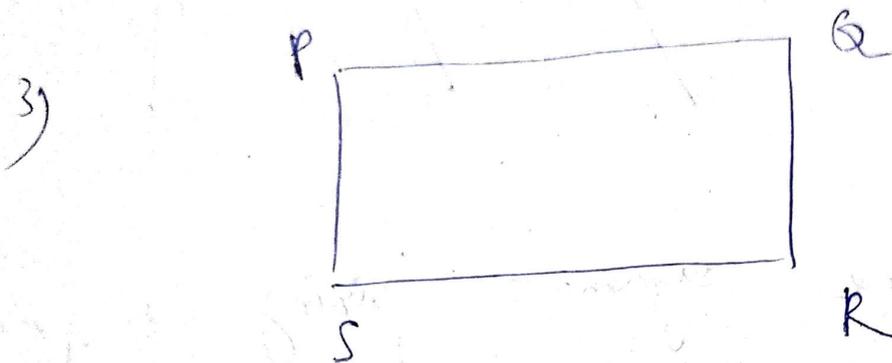
Fill in the blanks

a) ∠P = ——— degree

b) PQ is parallel to ———

4)

P ——— Q
100°
120°
?   60°
S   R
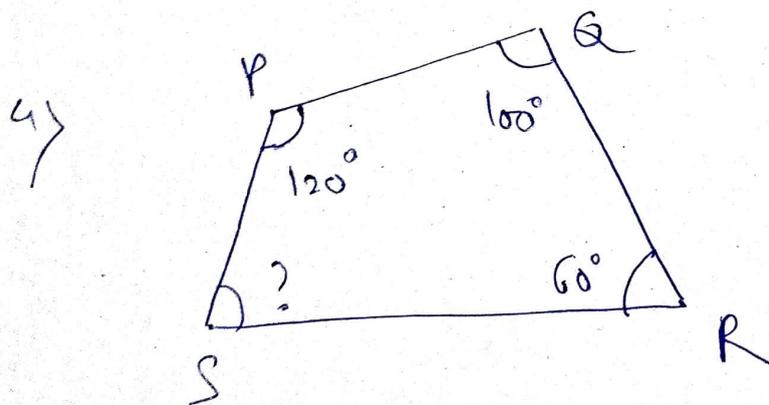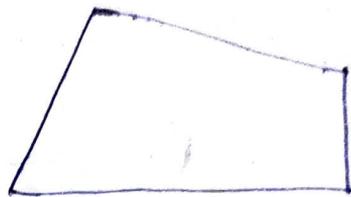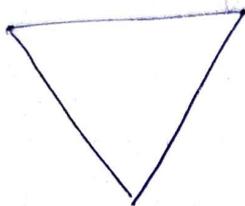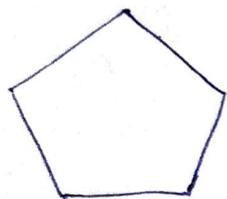
Find ∠S.

5) A quadrilateral in which only one pair of opposite sides are parallel is called ———

6) In a quadrilateral $\angle A = 120°$, $\angle B = 100°$, $\angle C = 80°$, find $\angle D$.

7) Which of the following is a quadrilateral?

8) A line segment joining a pair of opposite vertices is called _____