

Introduction

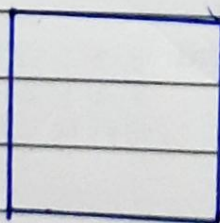
Shapes and Angles

Shapes :- A shape is the form of an object or its external boundary, outline, or external surface, as opposed to other properties such as colour, texture or material types.

Shapes like Triangle, circle, square, rectangle etc.

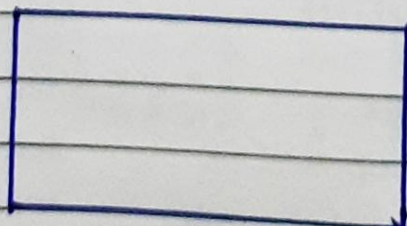
16 Basic Shapes :-

1. Square →



4 sides
4 Angles
2 diagonal

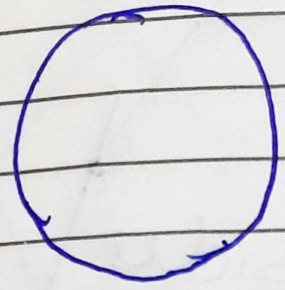
2. Rectangle →



* All Angles are equal
* opposite sides are equal.

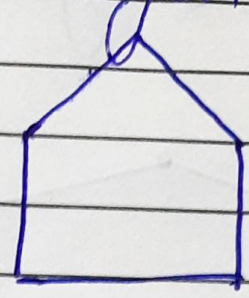
3

circle



4

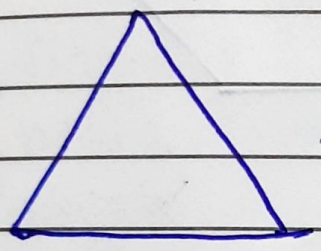
Pentagon



= 5 Sides

5

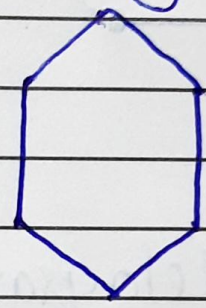
Triangle



= 3 Sides
= 3 Angles

6

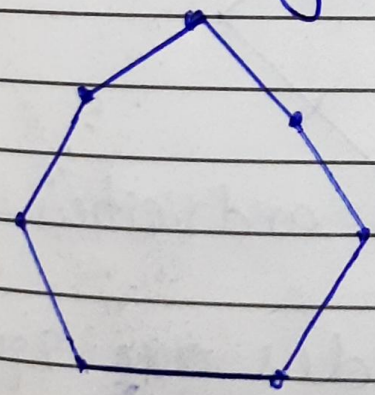
Hexagon



= 6 Sides

7

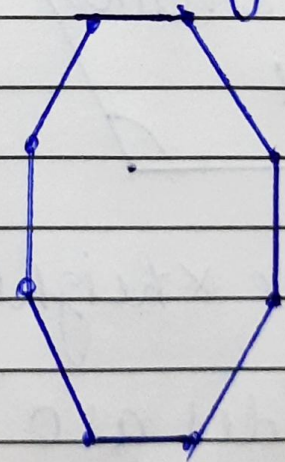
Heptagon



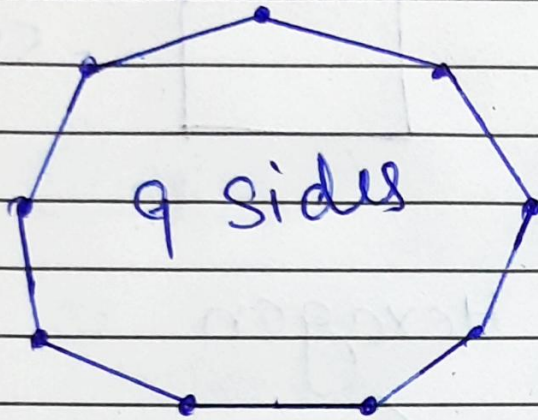
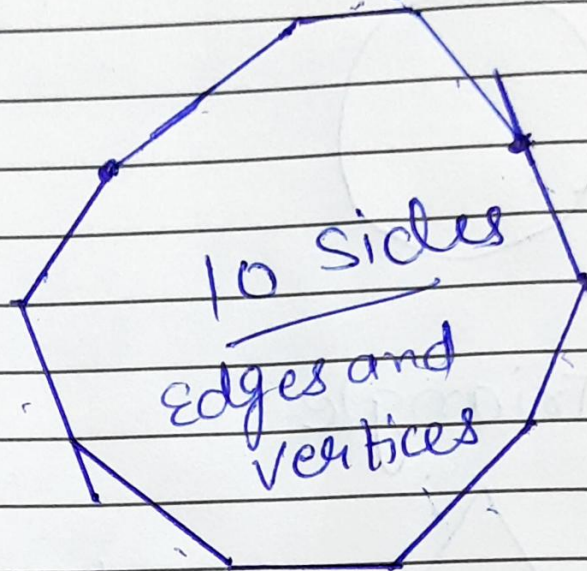
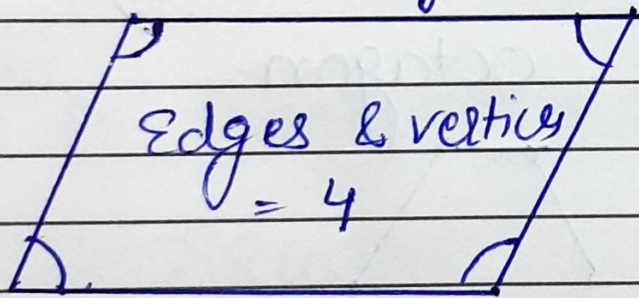
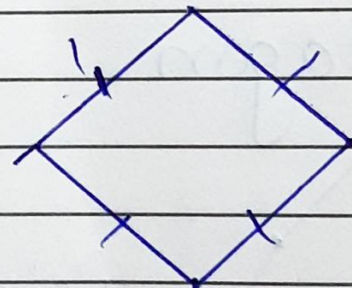
= 7 Sides

8

octagon



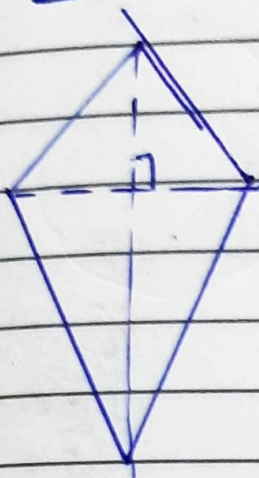
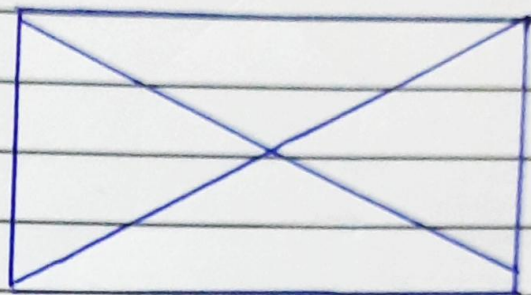
= 8 Sides

9 Nonagon10 Decagon11 ParallelogramArea = base \times heightopposite sides are
equal12 Rhombus

Edges and vertices = 4

all sides are equal

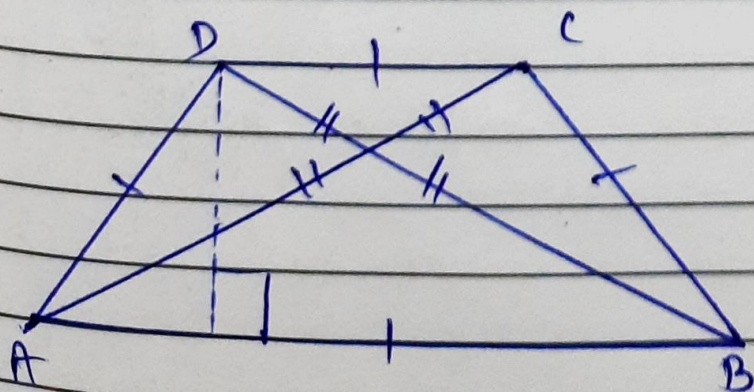
Area = half the product
of the diagonals

13 Kite14Quadrilateral

- * 4 sides
- * 2 diagonal
- * 4 angles

one diagonal bisect
the other at 90°

- * 4 Angle
- * 4 sides
- * 2 diagonal
- * adjacent sides are equal

15 Trapezium

- * Least one pair of parallel sides.
- edges and vertices =
4