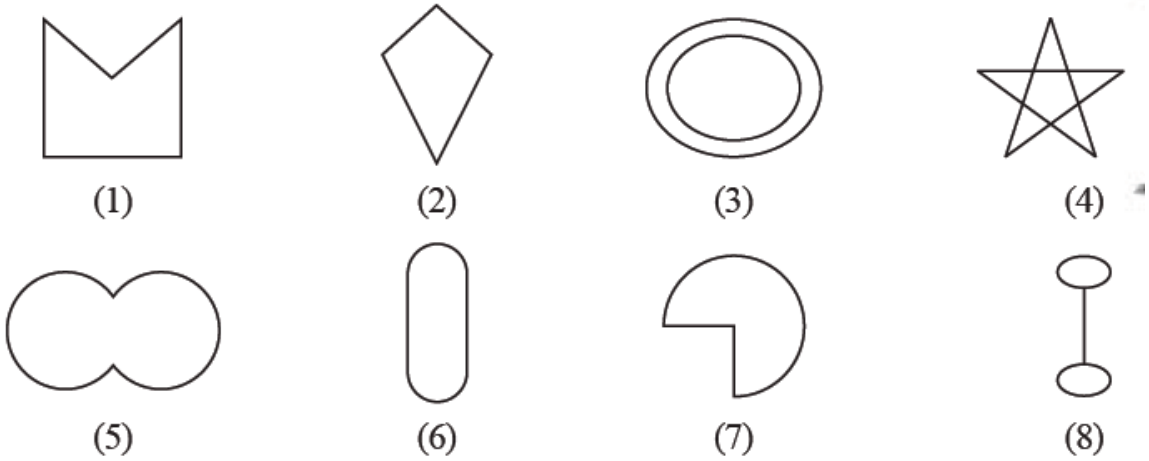
Class – 8th **Chapter-3** **Subject Maths**

Worksheet-09 ***Understanding Quadrilaterals***

1. Given here are some figures.



Classify each of them on the basis of the following.

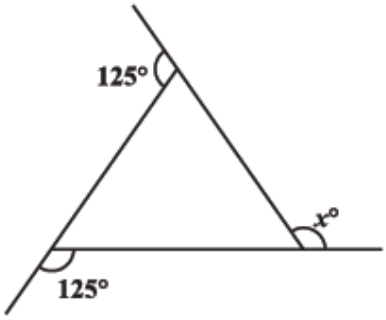
(a) Simple curve (b) Simple closed curve (c) Polygon

(d) Convex polygon (e) Concave polygon

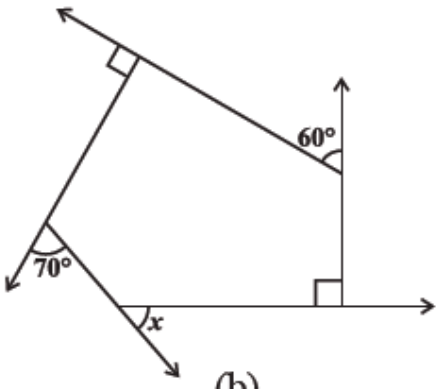
2. Write the name of polygon and draw sample figure in following table as given example:

Number of sides or Vertices **(n)**	Name of Polygon	Shape of Polygon
3	Triangle	△
4		
6		
7		
8		
9		

3. Find x in the following figures.



(a)



(b)

4. Find the measure of each exterior angle of a regular polygon of
   (i) 9 sides (ii) 15 sides
5. How many sides does a regular polygon have if the measure of an exterior angle is 24°?
6. Draw shape and fill the number of diagonals for given polygons in following table:(Using diagonal formula)

Name of Polygon	Number of sides (n)	Shape	Number of Diagonals
Rectangle	4		2
Hexagon			
Trapezium			
Pentagon			
Parallelogram			
Triangle			