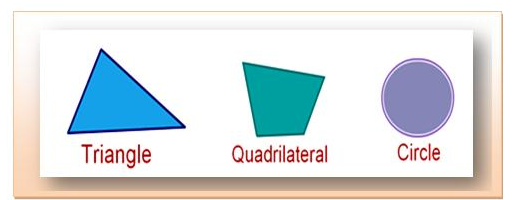
**Simple Closed Curves**

In simple closed curves the shapes are closed by line-segments or by a curved line.

Triangle, quadrilateral, circle, etc., are examples of closed curves.

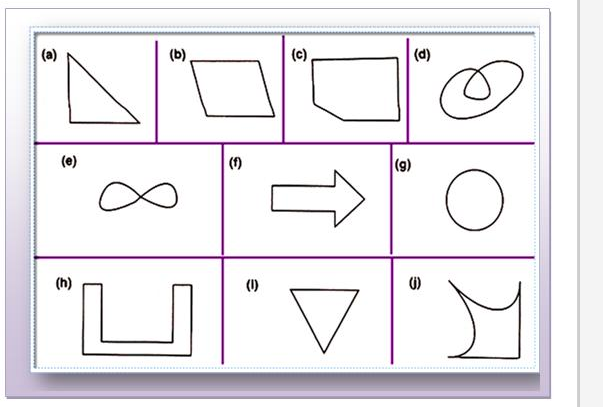


The shape which is not closed by line-segments or a curve is called an open curve

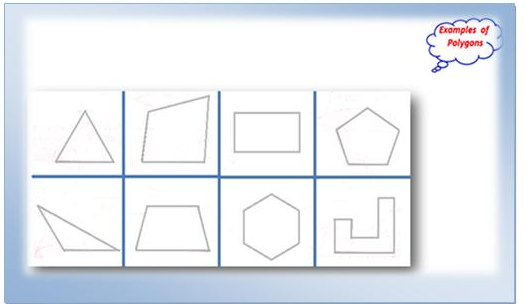
.

The curve which crosses itself is not a simple closed curve.

Here is a collection of closed curves. Except curve **(d)** and **(e)**, the remaining shapes are simple closed curves.

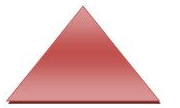


Some simple closed curves are made of line-segments only. These curves are known as **polygons. Triangle, quadrilateral, pentagon** etc., are polygons.

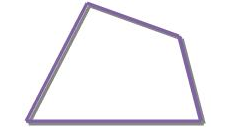


**Different Types of Polygons**

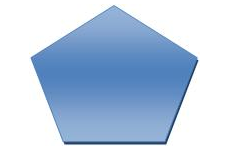
The **triangle** has 3 sides and 3 vertices.



The **quadrilateral** has 4 sides and 4 vertices.



The **pentagon** has 5 sides and 5 vertices.



The **hexagon** has 6 sides and 6 vertices.

