## Plane Geometry

## 2-Dimensional Shapes

In plane geometry, shapes are made up of a set of sides or curved segments; these are the edges of a shape. A vertex (plural: vertices) is a point where two or more straight lines meet, like a corner. An edge is a line segment that joins two vertices. Draw or label each shape, and write how many edges and vertices it has.


This triangle has 3 vertices.


This hexagon has 6 edges.

| Shape | Name | Number of Edges | Number of Vertices |
| :---: | :---: | :---: | :---: |
|  | circle | 0 <br> or undefined/infinite | 0 <br> or undefined/infinite |
|  | kite |  |  |
|  |  |  |  |
|  | rectangle |  | 4 |
|  |  | 4 (same size) |  |
|  |  |  |  |
|  | triangle |  |  |
|  | hexagon |  |  |
|  |  |  |  |
|  |  |  |  |

