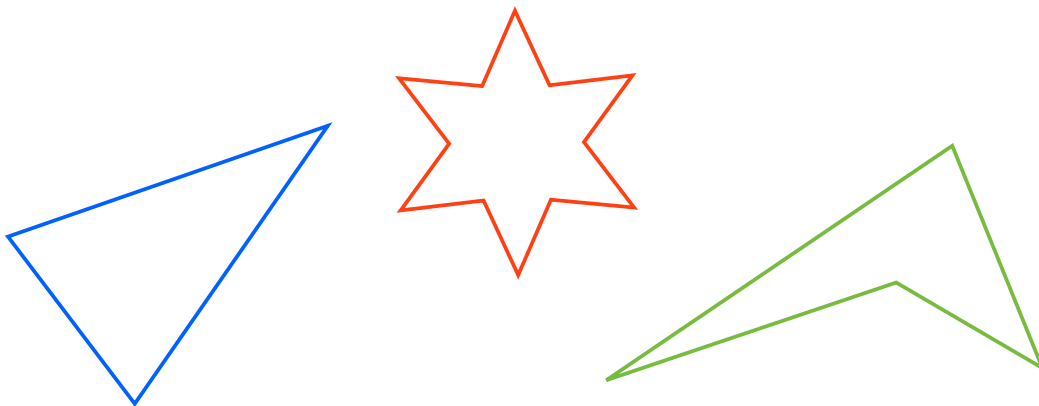


## What is a **Polygon**?

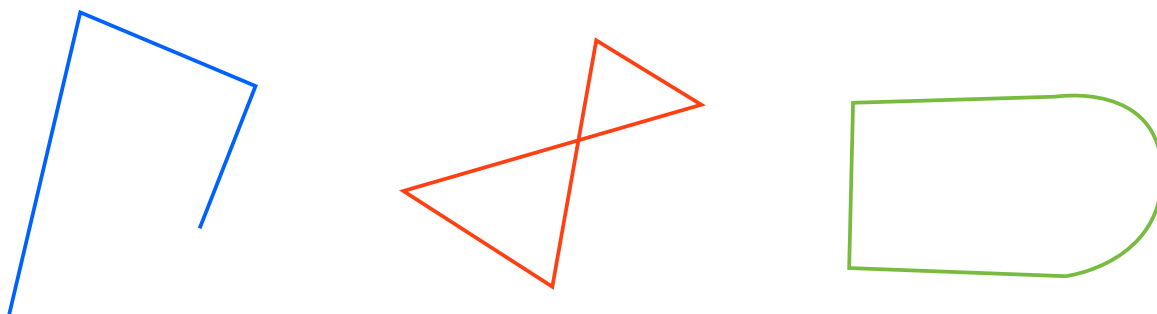
a closed figure formed by a finite number of segments on the same plane.



## What is a **Polygon**?

a closed figure formed by a finite number of segments on the same plane.

Not Polygons



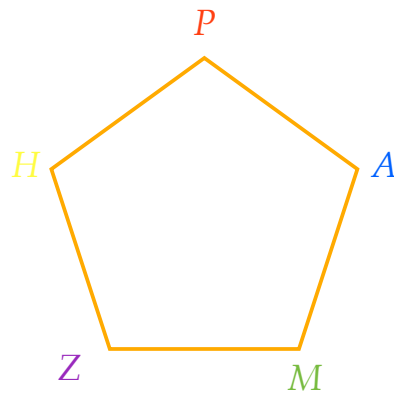
Determine the vertices, angles, sides and name of the following polygon.

Vertices

Sides

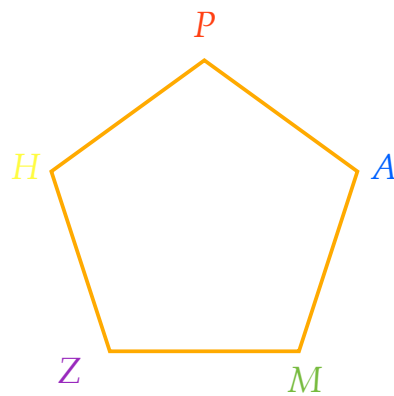
Angles

Name



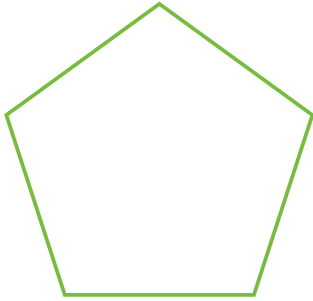
**Diagonals** of a polygon are created by connecting the non-consecutive vertices.

**Diagonals**



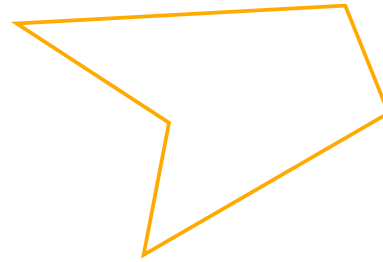
### Convex

All the diagonals of the polygon lie in the interior of the polygon



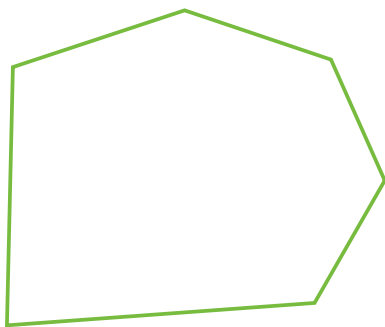
### Concave

Has at least one diagonal with points on the exterior of the polygon



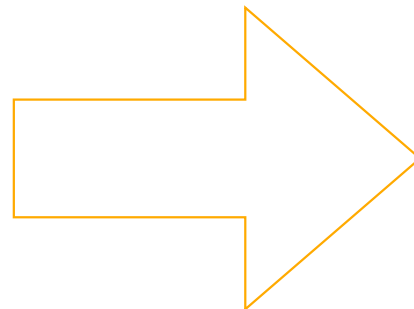
### Convex

All the diagonals of the polygon lie in the interior of the polygon



### Concave

Has at least one diagonal with points on the exterior of the polygon



Number of Sides	Polygon

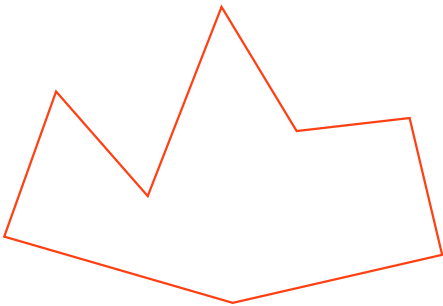
Classify the following Polygons

sides

convex

concave

regular?



Classify the following Polygons

sides

convex

concave

regular?

