

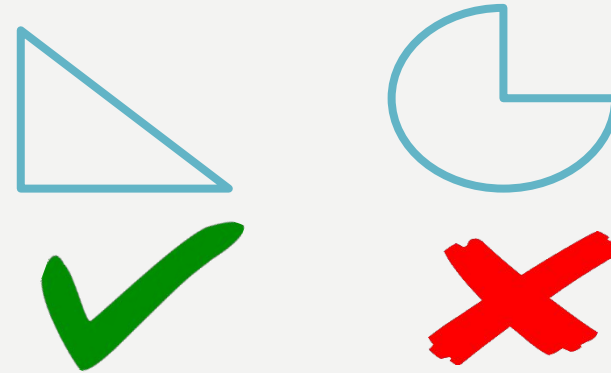
REGULAR AND IRREGULAR POLYGONS

WHAT IS A POLYGON?

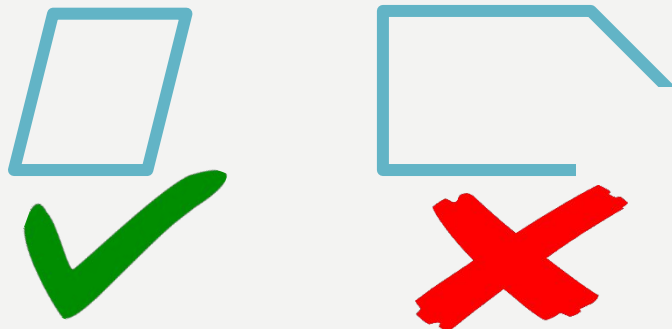
- A shape with 3 or more sides



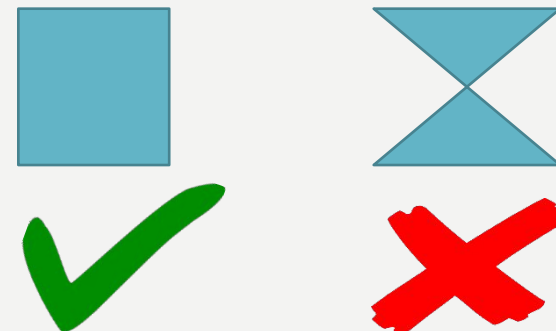
- All sides must be straight



- No gaps in the shape

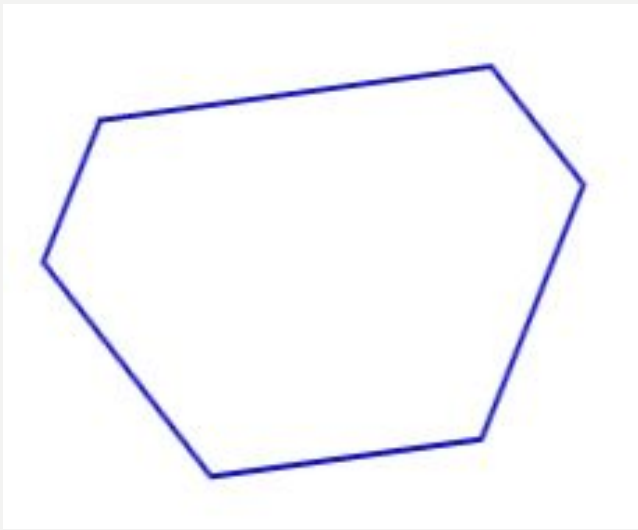
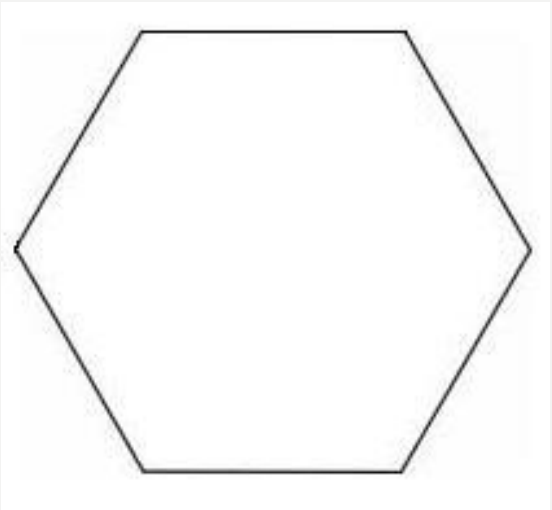
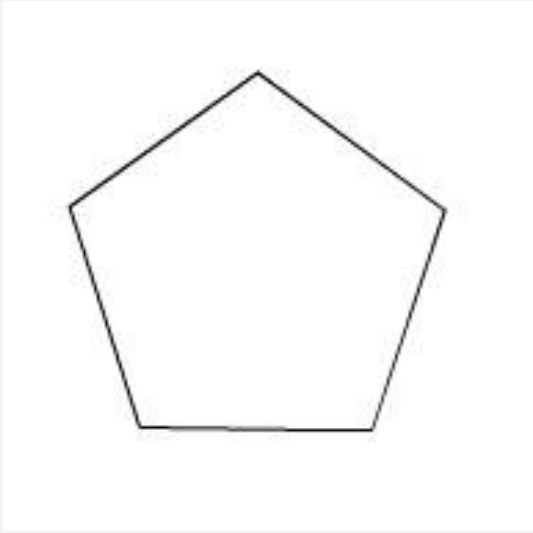
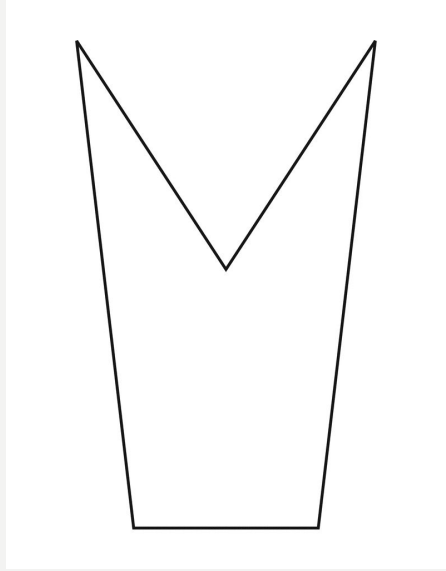


- No sides can intersect



**What is the
difference between
a regular polygon
and an irregular
polygon?**

- **A regular polygon has all sides equal length and all angles equal in size**
- **An irregular polygon has some sides that are different lengths and/or angles which are different sizes**



Is your shape a polygon?

- 3 or more sides
- All sides equal length
- No gaps
- No intersecting sides

No

Not a Polygon

Yes

Are all of its sides equal in length and angles equal in size?

No

Irregular Polygon

Yes

Not a Polygon

Not a Polygon

Regular Polygon

Irregular Polygon