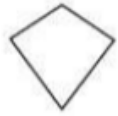


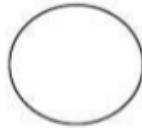
## Exercises

Is the figure a polygon? If not, explain why.

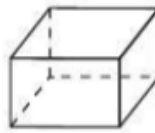
1.



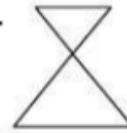
2.



3.



4.

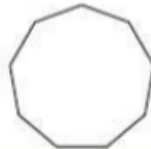


Classify the polygon by its number of sides. Tell whether the polygon is *convex* or *concave*.

5.



6.



7.



## Answers

### Exercises

1. yes
2. no; no sides and vertices
3. no; not a plane figure
4. no; intersecting sides
5. octagon, concave
6. nonagon or enneagon, convex
7. pentagon, concave