

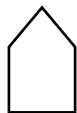
Polygons

R 6-4

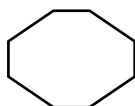
A polygon is a closed plane figure made up of line segments. Common polygons have names that tell the number of sides the polygon has.



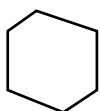
Triangle
3 sides



Pentagon
5 sides



Octagon
8 sides



Hexagon
6 sides

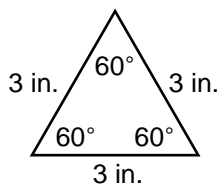


Open Figure



Quadrilateral
4 sides

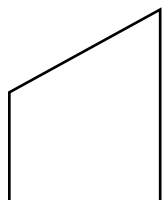
A **regular polygon** has sides of equal length and angles of equal measure.



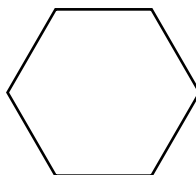
Each side is 3 in. long.
Each angle is 60°.

Name each polygon. Then tell if it appears to be a regular polygon.

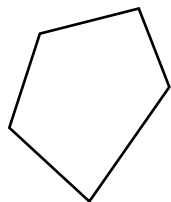
1.



2.



3.



4.



5. **Reasoning** Shakira sorted shapes into two different groups. Use geometric terms to describe how she sorted the shapes.

Group A	Group B