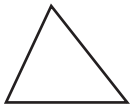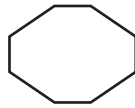# Polygons

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.
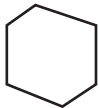
Triangle
3 sides

Pentagon
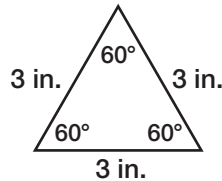5 sides
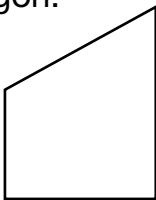
Octagon
8 sides

Hexagon
6 sides

Open Figure

Quadrilateral
4 sides

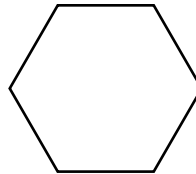A **regular polygon** has sides of equal length and angles of equal measure.

3 in.   60°   3 in.

60°   60°

3 in.

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. _____

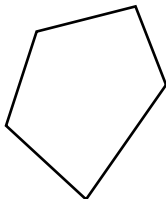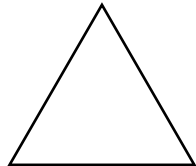**5.** Shakira sorted shapes into two different groups. Use geometric terms to describe how she sorted the shapes.

_____

_____

_____

Group A	Group B