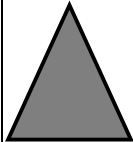

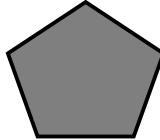
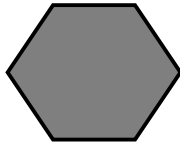
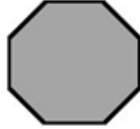


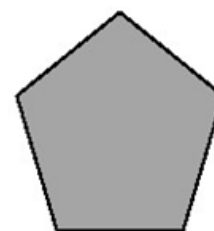
Identify Plane Figures

Plane figures are figures on a flat surface that can be formed by lines that are curved, straight, or both. A special kind of plane figure is a polygon. A polygon is a closed plane figure with straight sides that are line segments. Polygons can be named for the number of sides that they have.

Polygon	Triangle	Quadrilateral	Pentagon	Hexagon	Octagon
# of sides	3	4	5	6	8
# of angles	3	4	5	6	8
Example					

Name the polygon at the right. Tell how many sides.

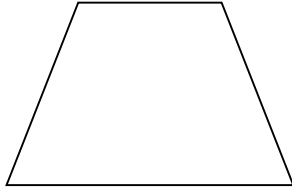
- Count the sides. \longrightarrow 5 sides
- Count the angles. \longrightarrow 5 angles



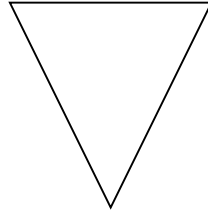
So, the polygon is a pentagon with 5 sides.

Examples:

A- Name each polygon. Tell how many sides.



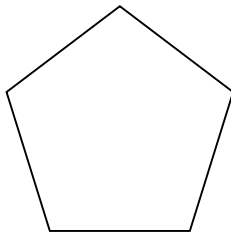
quadrilateral, 4 sides



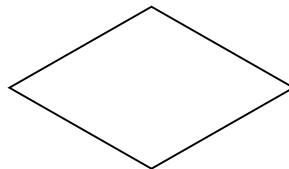
triangle, 3 sides



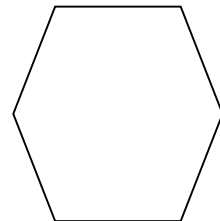
quadrilateral, 4 sides



pentagon, 5 sides



quadrilateral, 4 sides



hexagon, 6 sides

B- Problem Solving

1) Tia draws an 8 -sided figure with 8 angles. What plane figure does Tia draw?

8 sides = octagon

2) Lama has 25 craft sticks. She glues some sticks together to make 6 triangles. How many sticks does she have left?

Step 1: A triangle has 3 sides. $6 \times 3 = 18$ sticks

Step 2: $25 - 18 = 7$ sticks

So, 7 sticks are left.

