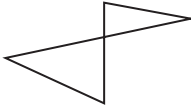


**SKILL**  
**27** **Skills Readiness**  
**Identify Polygons**

Definition: A polygon is a closed plane figure with at least three sides, none of which intersect other than at their endpoints.

Examples:

Not a polygon



Polygon



Number of Sides	Polygon
3	triangle
4	quadrilateral
5	pentagon
6	hexagon
7	heptagon
8	octagon
9	nonagon
10	decagon
12	dodecagon
$n$	$n$ -gon

A polygon can be classified by its number of sides according to the table.

Definitions:

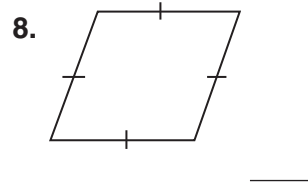
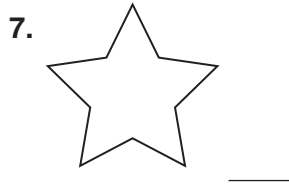
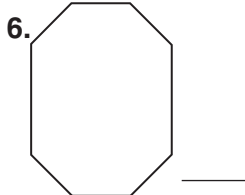
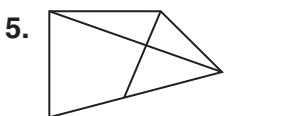
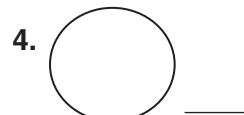
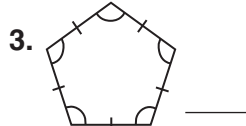
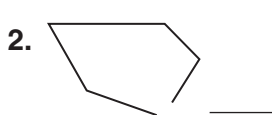
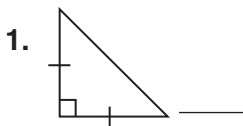
An equilateral polygon has all sides congruent.

An equiangular polygon has all angles congruent.

A regular polygon has all sides congruent and all angles congruent; that is, it is both equilateral and equiangular.

**Practice on Your Own**

Determine whether each figure is a polygon. If so, name it by its number of sides. Circle each figure that is a regular polygon.



**Check**

Determine whether each figure is a polygon. If so, name it by its number of sides. Circle each figure that is a regular polygon.

