Cut out boxes and glue into vocabulary pages of your notebook.

Polygon – a closed figure in a plane, formed by connecting line segments endpoint to endpoint with each segment intersecting exactly two others.
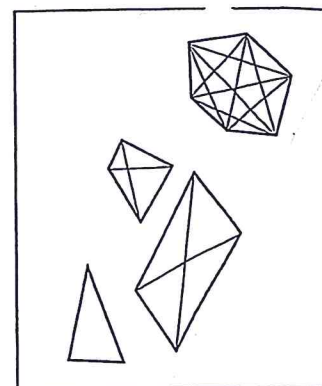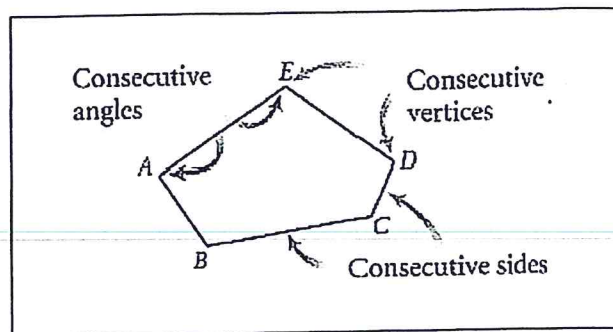The segments are called SIDES.
The endpoints are called VERTICES.

Diagonal of a polygon – a line sement that connects two non-consecutive vertices.

Consecutive angles
Consecutive vertices
Consecutive sides

Polygons are classified by the number of sides. The smallest number of sides possible is _____, which is called a _____.
Cut out the following table and finish it out. Glue into your vocab section.

sides	name
3	
	quadrilateral
	pentagon
6	
7	heptagon
8	
	nonagon
	Decagon
11	Undecagon
12	Dodecagon
n	n-gon

Convex Polygon –

Concave polygon –.

Equilateral polygon-

Equiangular polygon

Regular polygon

Diagonal

Equiangular octagon   Equilateral octagon   Regular octagon