Chapter 6 Quadrilaterals

6.1 Polygons

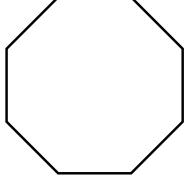
Objective: Identify and classify polygons.

Find angle measures of quadrilaterals.

A <u>polygon</u> is a plane figure that is formed by three or more segments called <u>sides</u>. Each side intersects exactly two other sides at each of its endpoints. Each endpoint is a <u>vertex</u> of the polygon.

Two vertices that are the endpoints of the same side are called <u>consecutive vertices</u>.

A segment that joins two nonconsecutive vertices of a polygon is called a <u>diagonal</u>.



You can classify polygons by the number of sides they have. The most common polygons are:

Number of sides:	Name of polygon:
3	Triangle
4	Quadrilateral
5	Pentagon
6	Hexagon
7	Heptagon
8	Octagon
9	Nonagon
10	Decagon
12	Dodecagon
n	n-gon

Checkpoint at the bottom of page 304.

