## Unit 29 Triangles and Other Polygons

1. A polygon is a closed figure of 3 or more sides.
2. Triangles
A. A triangle is a closed figure with three sides.
B. Triangle $A B C$ has three sides: $A B, B C$, and $C A$.
C. Triangle $A B C$ has these three angles:

$$
\begin{aligned}
& \angle A \text { or } \angle C A B \\
& \angle B \text { or } \angle A B C \\
& \angle C \text { or } \angle B C A
\end{aligned}
$$

Note: The vertex of an angle is always the middle letter.
D. The sum (total) of the 3 angles of any triangle is $180^{\circ}$.
3. Special triangles

4. Quadrilaterals are polygons with 4 sides.

The sum of the angles of any quadrilateral is $360^{\circ}$.

5. Other interesting polygons

Regular polygons have equal sides.


