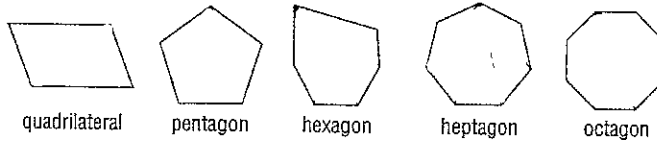


# 8-1 Angles of Polygons



Convex Polygon	Number of Sides		Sum of Angle Measures
triangle			
quadrilateral			
pentagon			
hexagon			
heptagon			
octagon			

Conclusion:

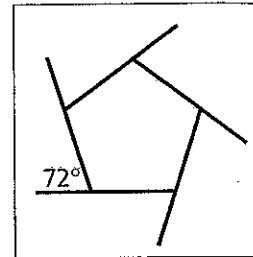


## Geometry Activity

### Sum of the Exterior Angles of a Polygon

#### Collect Data

- Draw a triangle, a convex quadrilateral, a convex pentagon, a convex hexagon, and a convex heptagon.
- Extend the sides of each polygon to form exactly one exterior angle at each vertex.
- Use a protractor to measure each exterior angle of each polygon and record it on your drawing.



#### Analyze the Data

1. Copy and complete the table.

Polygon	triangle	quadrilateral	pentagon	hexagon	heptagon
number of exterior angles					
sum of measure of exterior angles					

2. What conjecture can you make?

Conclusion