Def. Polygon

A polygon is a closed figure formed by 3 or more coplanar segments such that:

1. The sides that share a common endpt. are noncollinear.
2. Each side intersects exactly 2 other sides, but only at the endpts.

Def. Diagonal

A segment that joins nonadj. vertices of a polygon.

Th. 6-1 Int. ∠ Sum Th.

If a convex polygon has *n* number of sides and S is the sum of the measures of interior ∠'s then $S = 180(n - 2)$.

Def. Regular Polygon

A convex polygon with all sides and all ∠'s ≅.

Th. 6-2 Ext. ∠ Sum Th.

If a polygon is convex, then the sum of the measures of the exterior ∠'s, 1 at each vertex, is 360°.