**Interior Angles of a Convex Polygon**

**Sum of Interior Angles of a Convex n-gon:**

\[ S = 180(n-2) \]

Where \( n \) = # Sides (or Angles)

**Ex:** Find the sum of the interior angles in a 32-gon.

\[ S = 180(n-2) = 180(32-2) = 180(30) \]

\[ S = 5400^\circ \]
**Exterior angles of a convex polygon**

* The angle formed by extending one side of a polygon.

* An exterior angle makes a linear pair with an interior angle.

**Sum of exterior angles of a convex n-gon = 360°**
**Regular Polygon:**
- All sides are \( \cong \).
- All angles are \( \cong \).

**Irregular Polygon:**
- At least one side or angle is not \( \cong \) to others.