8.1 Polygons & Angle Sums

Polygon - An enclosed figure with many sides.

# sides	Name
3	Triangle
4	Quadrilateral
5	Pentagon
6	hexagon
7	heptagon
8	octagon
9	nonagon
10	decagon

Julius Augustus

September → 9th

october → 10th

november → 11th

december → 12th
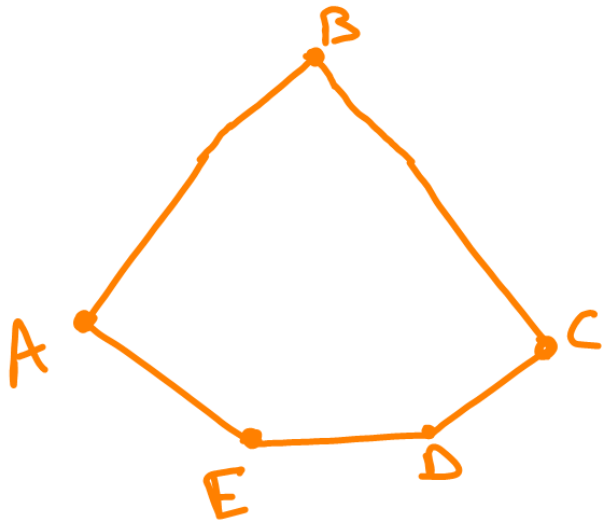
The angles are Verticies (Vertex): A, B, C, D, E

Consecutive Verticies - Verticies right next to
                        each other. (adjacent)

Ex. $\angle A \mathrel{\&} \angle E, \angle A \mathrel{\&} \angle B, \angle C \mathrel{\&} \angle D, \angle B \mathrel{\&} \angle C, \angle D \mathrel{\&} \angle E$

Non Consecutive Verticies - Not touching same side,
                            Not adjacent

Ex. $\angle A \mathrel{\&} \angle C, \angle A \mathrel{\&} \angle D, \angle B \mathrel{\&} \angle E, \angle B \mathrel{\&} \angle D, \angle C \mathrel{\&} \angle E$

$\triangle = 180°$

$\square = 360°$ $(2\triangle = 2 \cdot 180°)$

n-gon = $(n-2)180$