

ANGLES OF POLYGONS









A polygon in which you can connect any two vertices ______ the polygon.





A polygon in which you can connect at least one pair of vertices <u>outside</u> the polygon.



Equilateral Polygon A polygon with all

Equiangular Polygon A polygon with all

Regular PolygonA polygon with all _____ and

How do we figure out the sum of the angles in any polygon?







POLYGON INTERIOR ANGLES SUM

The formula to figure the sum of all the angles in a polygon with *n* sides is:



Complete the following:



7)

Find the measures of the interior angles algebraically.



Find the measures of the interior angles algebraically.



10) A stop sign is in the shape of a regular octagon. What is the measure of each interior angle?











POLYGON EXTERIOR ANGLES SUM

The sum of all the exteriors angles in a polygon is _____.



Find the measures of the exterior angles of the polygon.



Find the measures of the exterior angles of the polygon.

