

Geometry

7.1 Angles of Polygons

Polygon

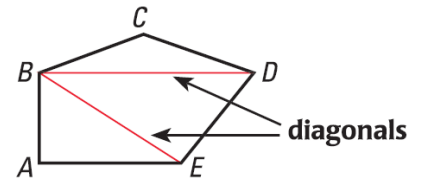
- _____ figure made of _____ segments

Diagonal

- Segment that joins _____

All polygons can be _____ into _____

- The sum of the angles of a triangle is _____
- For the _____, multiply that by _____



Polygon Interior Angles Theorem

Sum of the _____ of the _____ angles of a _____ is _____

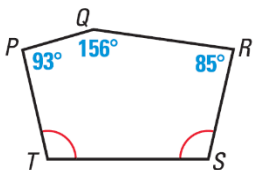
Sum of the _____ of the _____ angles of a _____ is _____

The coin is a regular 11-gon. Find the sum of the measures of the interior angles.



The sum of the measures of the interior angles of a convex polygon is 1440° . Classify the polygon by the number of sides.

Find $m\angle T$



Geometry 7.1

Equilateral Polygon

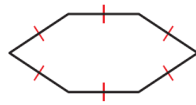
- All _____ congruent

Equiangular Polygon

- All _____ congruent

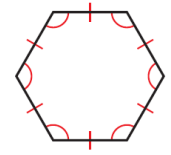
Regular Polygon

- All _____ and _____ congruent





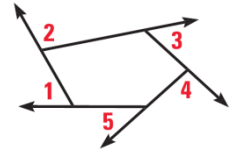
Name: _____



Polygon Exterior Angles Theorem

Sum of the _____ of the _____ angles of a _____ polygon _____

What is the measure of an exterior angle of a regular pentagon?



What is the measure of an interior angle of a regular pentagon?

Assignment: 352 #1, 4, 6, 8, 10, 12, 14, 18, 22, 24, 25, 30, 32, 34, 36, 50, 51, 52, 56, 61 = 20 total