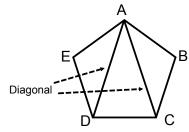
<u>6-1</u>

Angles of Polygons

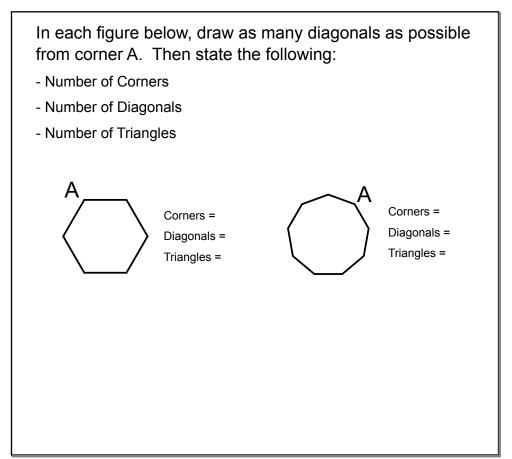
Polygon Interior Angle Sum (any polygon)

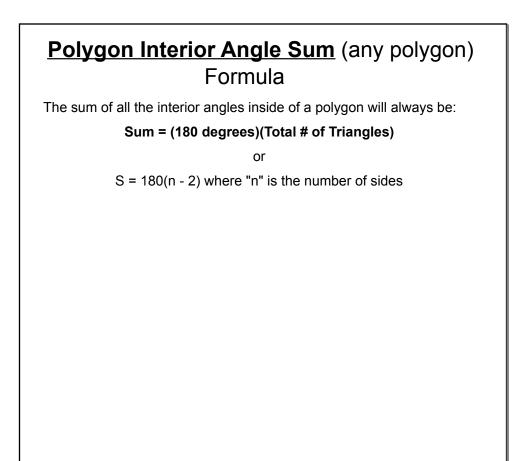
A "Diagonal" can be drawn from any corner of a polygon to any other corner (not next to). The max number of diagonals that can be drawn is always 3 less than the number of corners. The max number of triangles created is always 2 less than the number of corners.

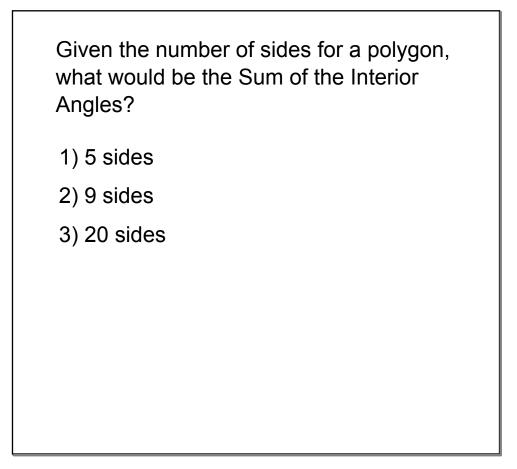


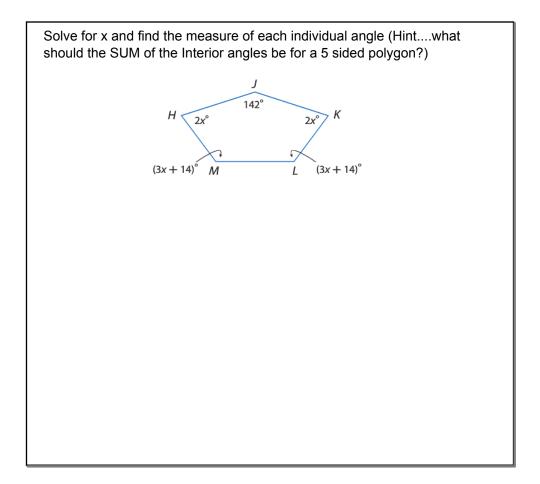
Things to notice...

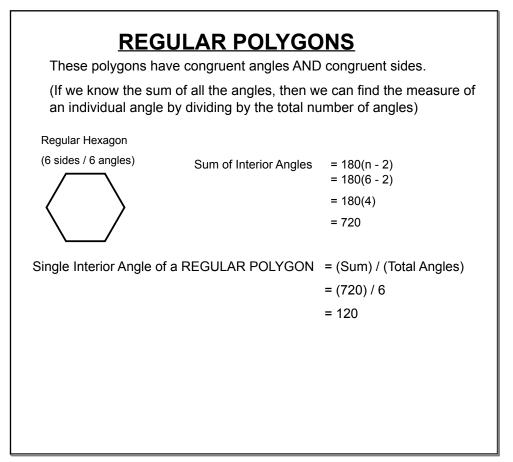
- 5 corners (vertices)
- 2 Diagonals Drawn
- 3 Triangles Created











Find the measure of each INTERIOR angle of a REGULAR polygon with the given number of sides below:

- 1) 5 sides
- 2) 9 sides
- 3) 20 sides

