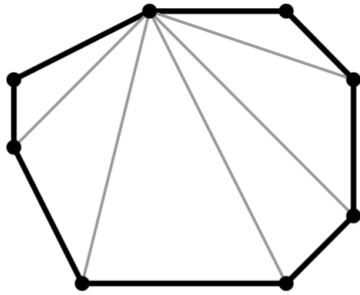


a)
Find the interior angle sum of an octagon.

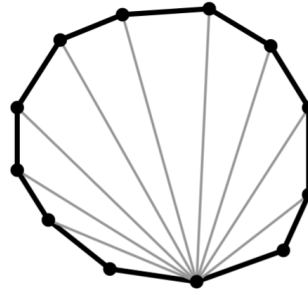


8 sides

6 triangles

$$6 \times 180^\circ = 1080^\circ$$

b)
Find the interior angle sum of a dodecagon.

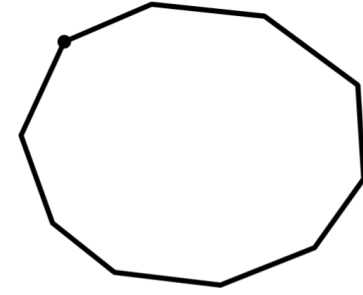


12 sides

___ triangles

$$\text{___} \times 180^\circ = \text{_____}^\circ$$

c)
Find the interior angle sum of a decagon.

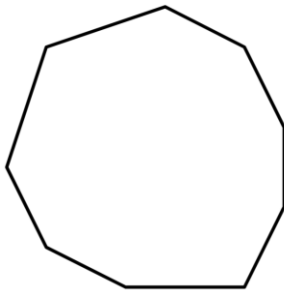


___ sides

___ triangles

$$\text{___} \times 180^\circ = \text{_____}^\circ$$

d)
Find the interior angle sum of a nonagon.

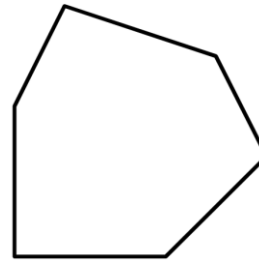


___ sides

___ triangles

$$\text{___} \times 180^\circ = \text{_____}^\circ$$

e)
Find the interior angle sum of a hexagon.



f)
Find the interior angle sum of a pentagon.