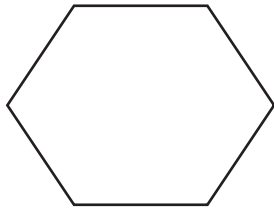


Interior Angle

ES1

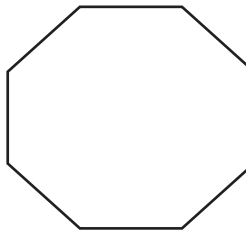
Example:



$$\begin{aligned} \text{Interior angle} &= \frac{\text{sum of interior angles}}{\text{Number of sides}} \\ &= \frac{720^\circ}{6} \\ &= 120^\circ \end{aligned}$$

Find the interior angle for each regular polygon. Round the answer to nearest tenths if necessary.

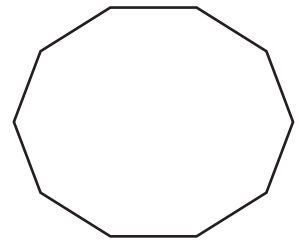
1)



2)



3)



Sum of the interior angles = _____

Each interior angle = _____

Sum of the interior angles = _____

Each interior angle = _____

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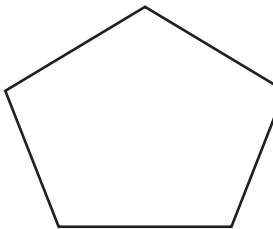
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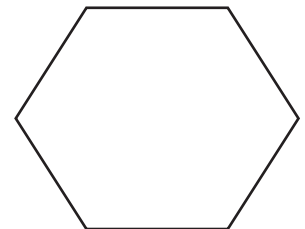
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4)



Sum of the interior angles = _____

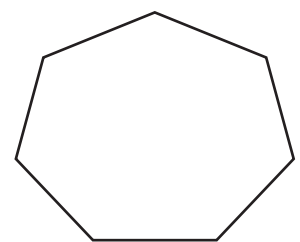
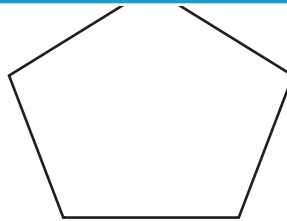
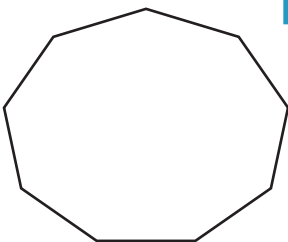
Each interior angle = _____



Sum of the interior angles = _____

Each interior angle = _____

7)



Sum of the interior angles = _____

Each interior angle = _____

Sum of the interior angles = _____

Each interior angle = _____

Sum of the interior angles = _____

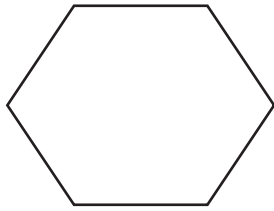
Each interior angle = _____

Answer key

Interior Angle

ES1

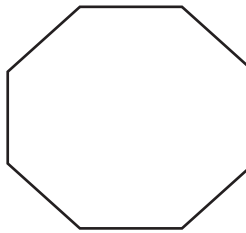
Example:



$$\begin{aligned} \text{Interior angle} &= \frac{\text{sum of interior angles}}{\text{Number of sides}} \\ &= \frac{720^\circ}{6} \\ &= 120^\circ \end{aligned}$$

Find the interior angle for each regular polygon. Round the answer to nearest tenths if necessary.

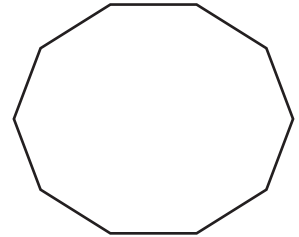
1)



2)



3)



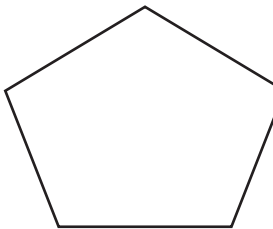
Sum of the interior angles = **1080°**

Each interior angle = **135°**

Sum of the interior angles = **1440°**

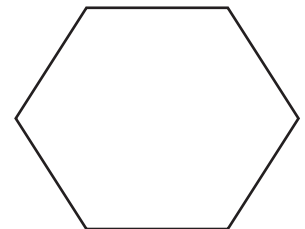
Each interior angle = **144°**

4)



Sum of the interior angles = **540°**

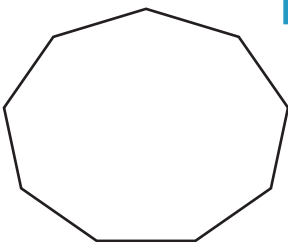
Each interior angle = **108°**



Sum of the interior angles = **720°**

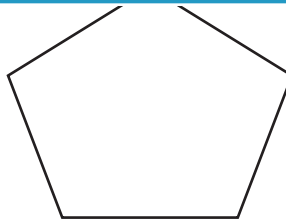
Each interior angle = **120°**

7)



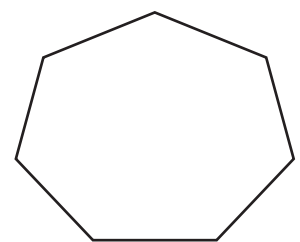
Sum of the interior angles = **1260°**

Each interior angle = **157.5°**



Sum of the interior angles = **540°**

Each interior angle = **108°**



Sum of the interior angles = **900°**

Each interior angle = **128.6°**

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