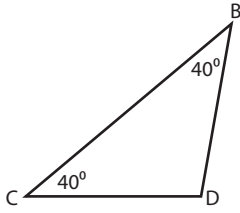


Triangle - Interior Angle

Example:



Sum of the interior angles = 180°

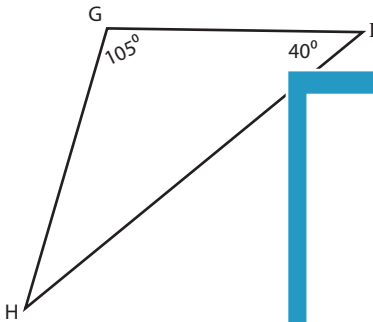
$$\text{Sum of the interior angles} = 40^\circ + 40^\circ + \angle D$$

$$180^\circ = 80^\circ + \angle D$$

$$\angle D = 180^\circ - 80^\circ = \mathbf{100^\circ}$$

Find the unknown interior angle for each triangle.

1)

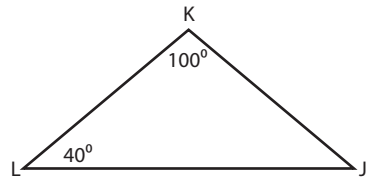


$\angle H =$

2)

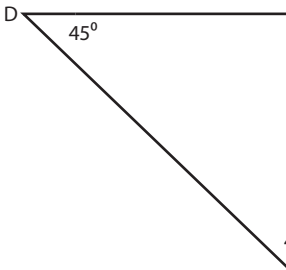


3)



$\angle J =$

4)



$\angle C =$

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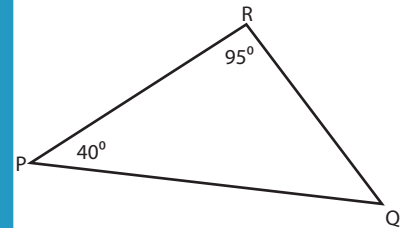
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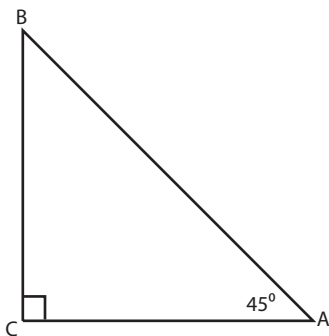
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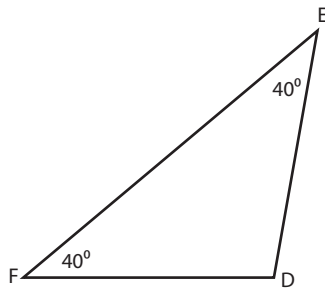
$\angle Q =$

7)



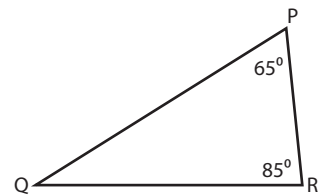
$\angle B =$

8)



$\angle D =$

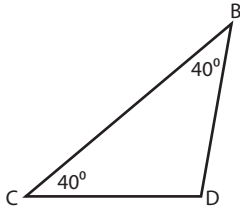
9)



$\angle Q =$

Triangle - Interior Angle

Example:



Sum of the interior angles = 180°

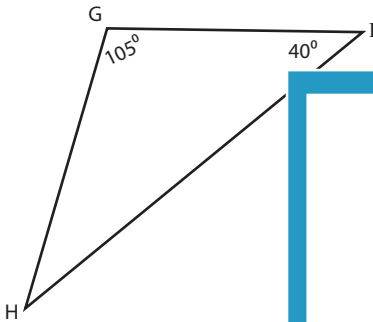
$$\text{Sum of the interior angles} = 40^\circ + 40^\circ + \angle D$$

$$180^\circ = 80^\circ + \angle D$$

$$\angle D = 180^\circ - 80^\circ = 100^\circ$$

Find the unknown interior angle for each triangle.

1)

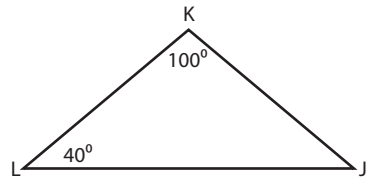


$$\angle H = 35^\circ$$

2)

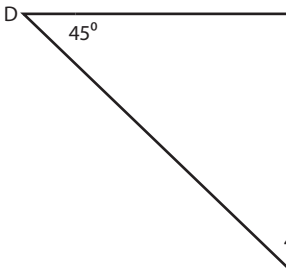


3)



$$\angle J = 40^\circ$$

4)



$$\angle C = 90^\circ$$

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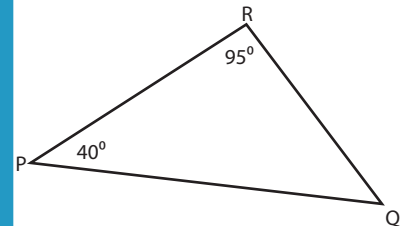
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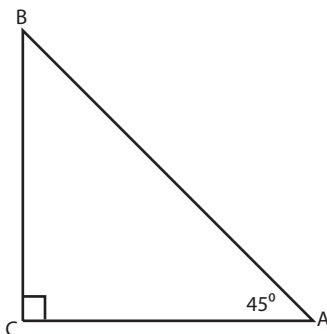
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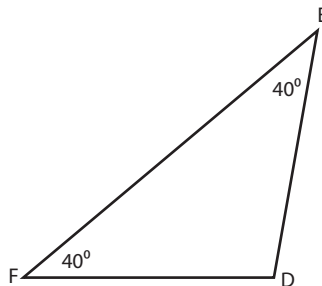
$$\angle Q = 45^\circ$$

7)



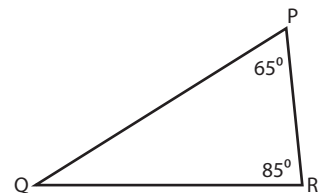
$$\angle B = 45^\circ$$

8)



$$\angle D = 100^\circ$$

9)



$$\angle Q = 30^\circ$$