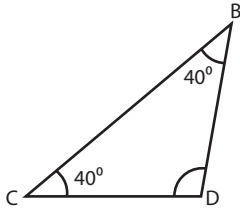


Triangle - Interior Angle

Example:



Sum of the interior angles = 180°

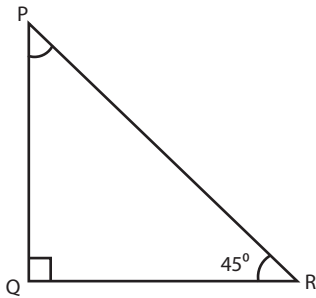
$$\text{Sum of the interior angles} = 40^\circ + 40^\circ + \angle D$$

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

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

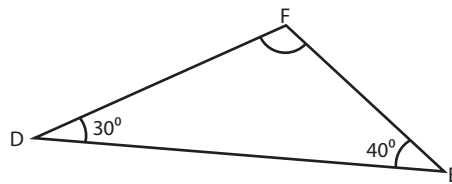
Find the unknown interior angle for each triangle.

1)



$\angle P = \text{_____}$

2)



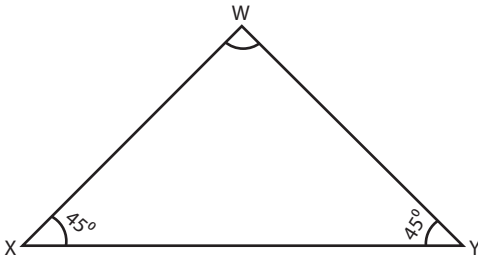
$\angle F = \text{_____}$

3)



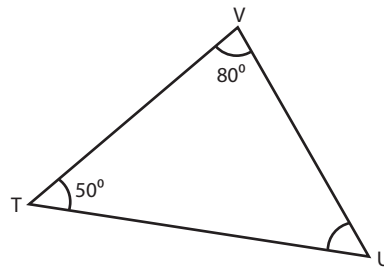
$\angle G = \text{_____}$

4)



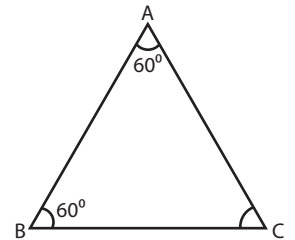
$\angle W = \text{_____}$

5)



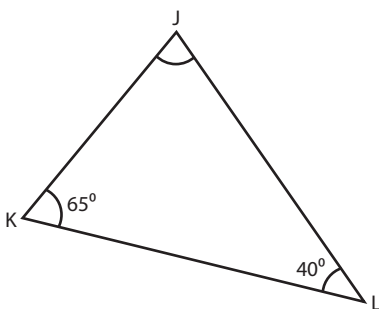
$\angle U = \text{_____}$

6)



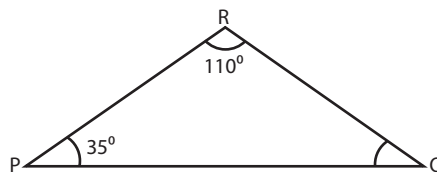
$\angle C = \text{_____}$

7)



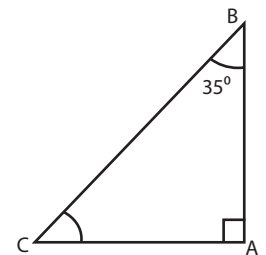
$\angle J = \text{_____}$

8)



$\angle Q = \text{_____}$

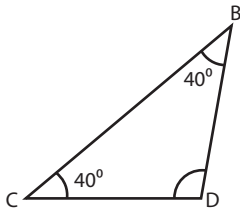
9)



$\angle C = \text{_____}$

Answer Key

Example:



Sum of the interior angles = 180°

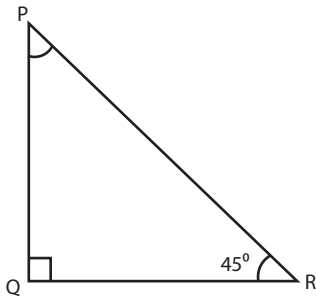
$$\text{Sum of the interior angles} = 40^\circ + 40^\circ + \angle D$$

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

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

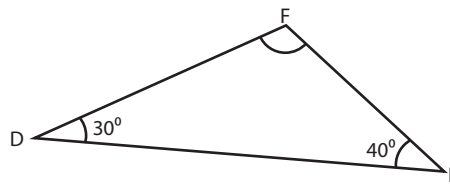
Find the unknown interior angle for each triangle.

1)



$$\angle P = 45^\circ$$

2)



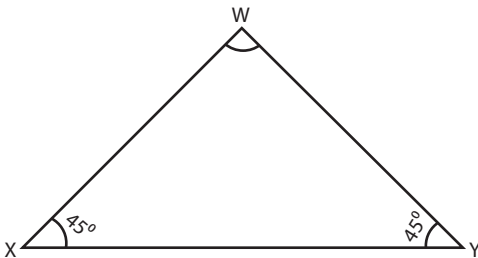
$$\angle F = 110^\circ$$

3)



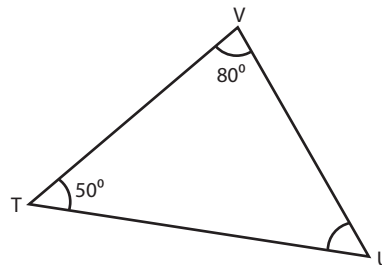
$$\angle G = 20^\circ$$

4)



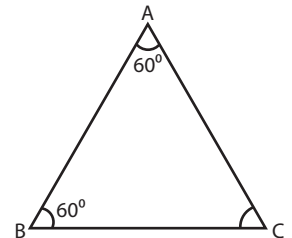
$$\angle W = 90^\circ$$

5)



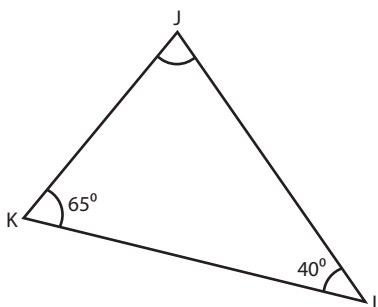
$$\angle U = 50^\circ$$

6)



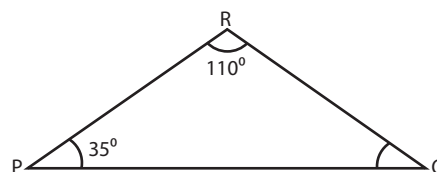
$$\angle C = 60^\circ$$

7)



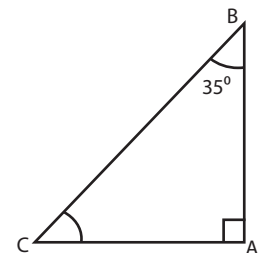
$$\angle J = 75^\circ$$

8)



$$\angle Q = 35^\circ$$

9)



$$\angle C = 55^\circ$$