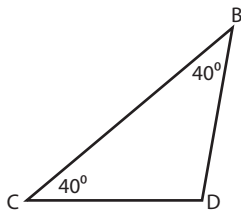


Triangle - Interior Angle

Example:

**Sum of the interior angles = 180°**

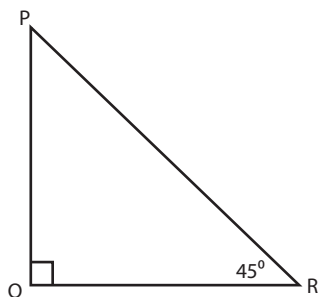
$$\text{Sum of the interior angles} = 40^\circ + 40^\circ + \angle D$$

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

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

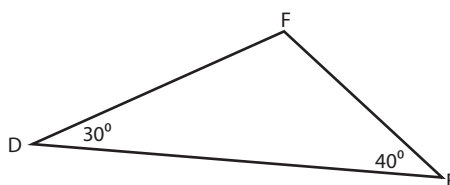
Find the unknown interior angle for each triangle.

1)



$$\angle P = \text{_____}$$

2)



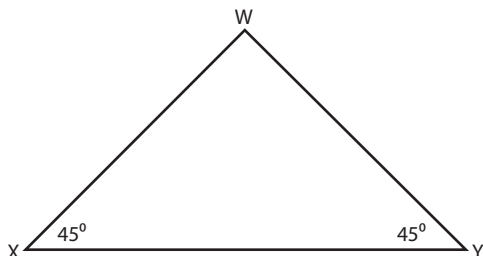
$$\angle F = \text{_____}$$

3)



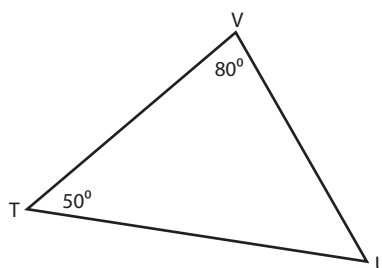
$$\angle G = \text{_____}$$

4)



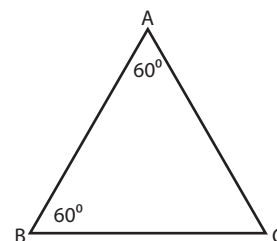
$$\angle W = \text{_____}$$

5)



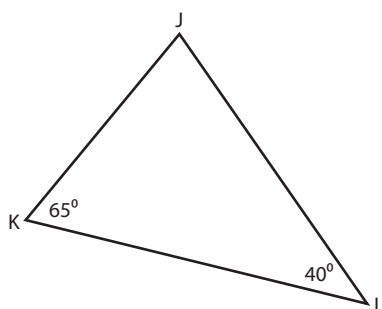
$$\angle U = \text{_____}$$

6)



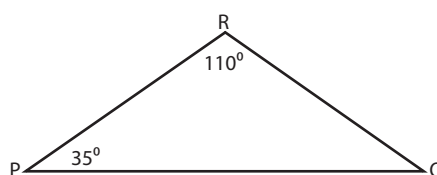
$$\angle C = \text{_____}$$

7)



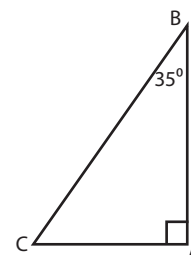
$$\angle J = \text{_____}$$

8)



$$\angle Q = \text{_____}$$

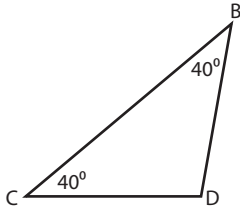
9)



$$\angle C = \text{_____}$$

Triangle - Interior Angle

Example:

**Sum of the interior angles = 180°**

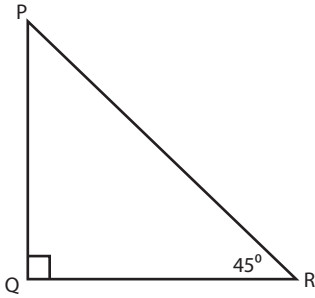
$$\text{Sum of the interior angles} = 40^\circ + 40^\circ + \angle D$$

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

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

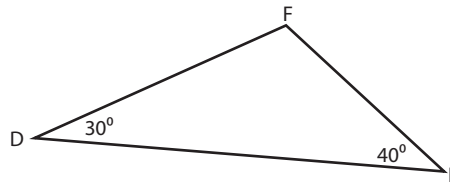
Find the unknown interior angle for each triangle.

1)



$$\angle P = \mathbf{45^\circ}$$

2)



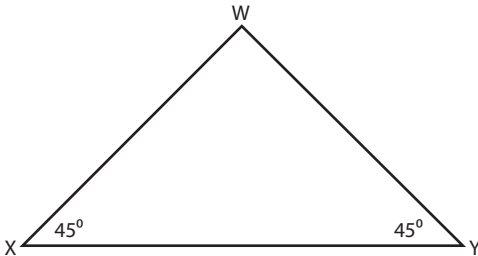
$$\angle F = \mathbf{110^\circ}$$

3)



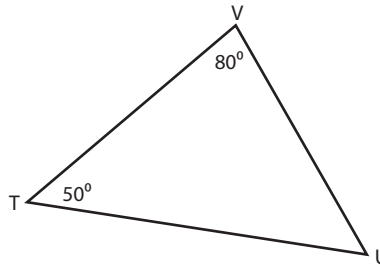
$$\angle G = \mathbf{20^\circ}$$

4)



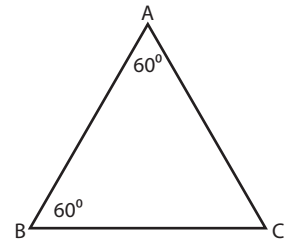
$$\angle W = \mathbf{90^\circ}$$

5)



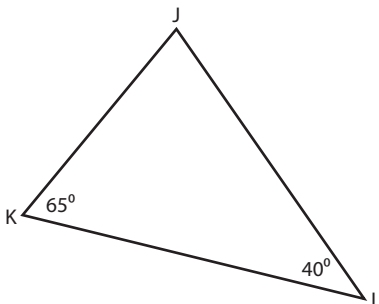
$$\angle U = \mathbf{50^\circ}$$

6)



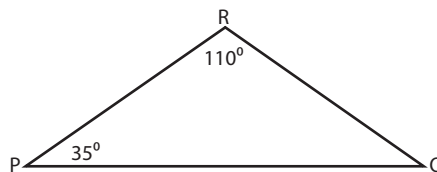
$$\angle C = \mathbf{60^\circ}$$

7)



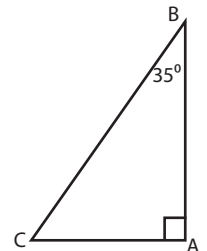
$$\angle J = \mathbf{75^\circ}$$

8)



$$\angle Q = \mathbf{35^\circ}$$

9)



$$\angle C = \mathbf{55^\circ}$$