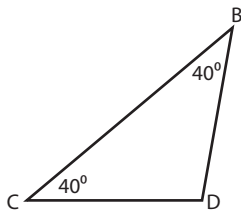


**Triangle - Interior Angle**

Example:

**Sum of the interior angles =  $180^\circ$** 

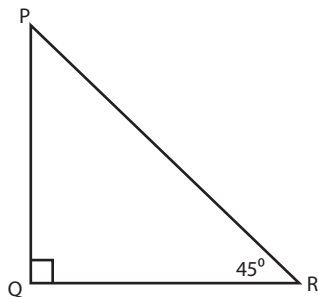
$$\text{Sum of the interior angles} = 40^\circ + 40^\circ + \angle D$$

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

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

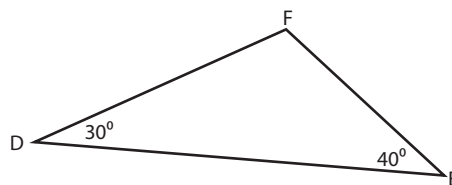
Find the unknown interior angle for each triangle.

1)



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

2)



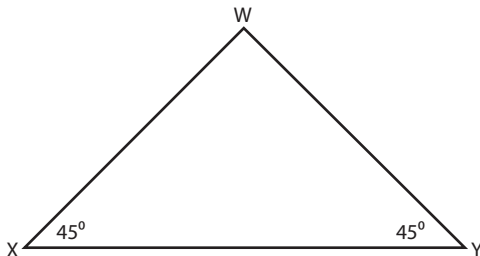
$$\angle F = \text{_____}$$

3)



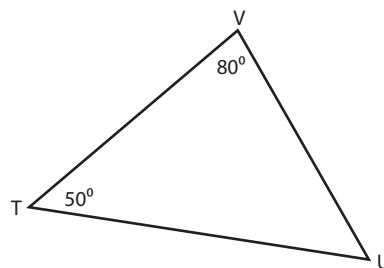
$$\angle G = \text{_____}$$

4)



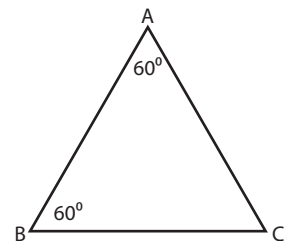
$$\angle W = \text{_____}$$

5)



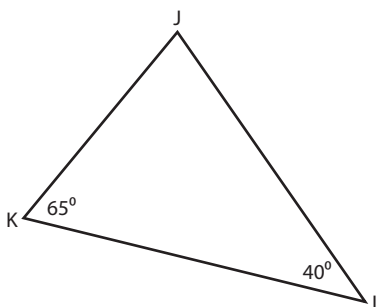
$$\angle U = \text{_____}$$

6)



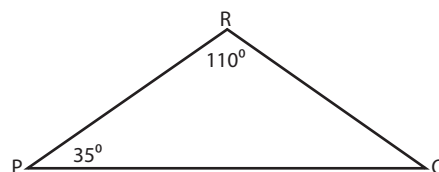
$$\angle C = \text{_____}$$

7)



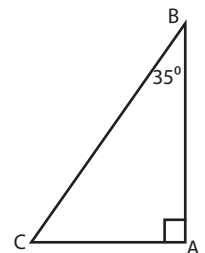
$$\angle J = \text{_____}$$

8)



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

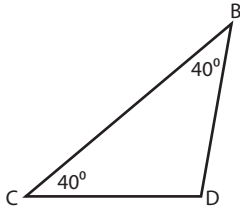
9)



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

## Triangle - Interior Angle

Example:

Sum of the interior angles =  $180^\circ$ 

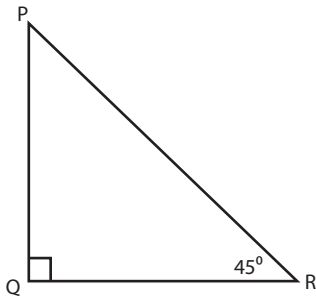
$$\text{Sum of the interior angles} = 40^\circ + 40^\circ + \angle D$$

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

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

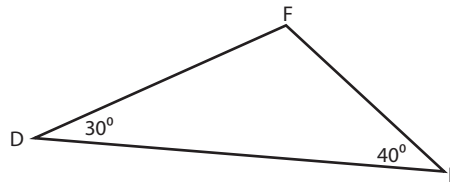
Find the unknown interior angle for each triangle.

1)



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

2)



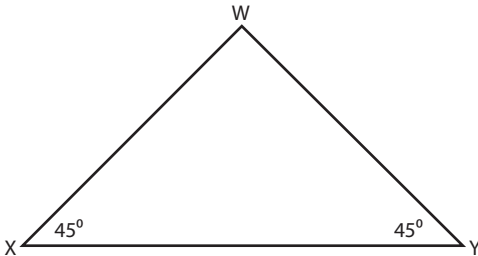
$$\angle F = 110^\circ$$

3)



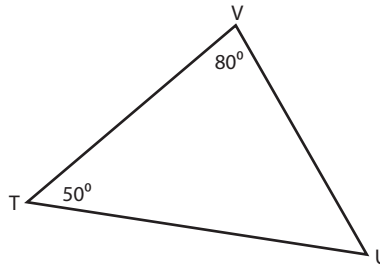
$$\angle G = 20^\circ$$

4)



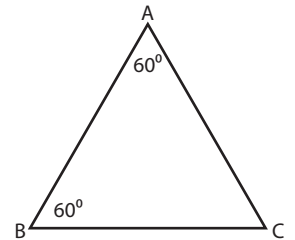
$$\angle W = 90^\circ$$

5)



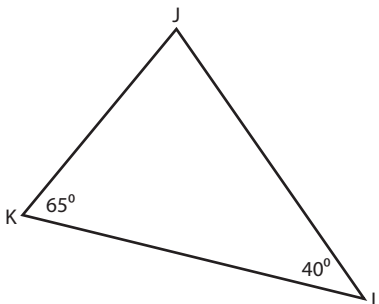
$$\angle U = 50^\circ$$

6)



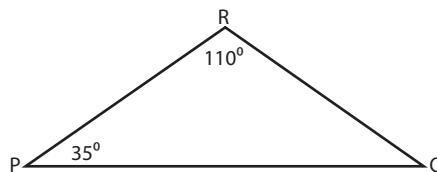
$$\angle C = 60^\circ$$

7)



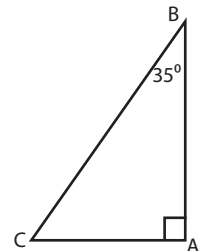
$$\angle J = 75^\circ$$

8)



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

9)



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