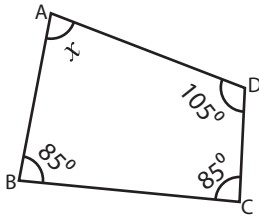


Angles in Quadrilateral

Example:



Sum of the interior angles = 360°

$$\text{Sum of the interior angles} = 85^\circ + 105^\circ + x + 85^\circ$$

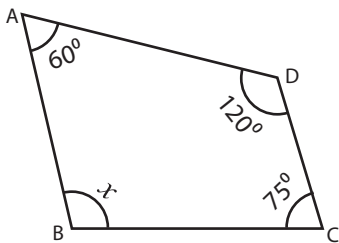
$$360^\circ = 275^\circ + x$$

$$x = 360^\circ - 275^\circ$$

$$x = 85^\circ$$

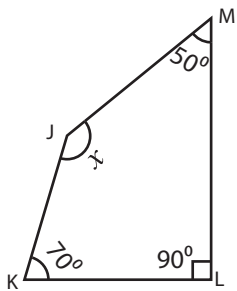
Find the unknown angle in each quadrilateral.

1)



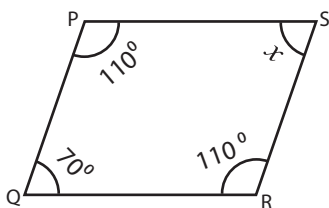
$$x = \text{_____}$$

4)



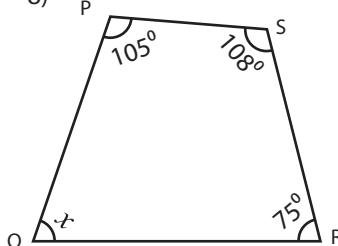
$$x = \text{_____}$$

7)



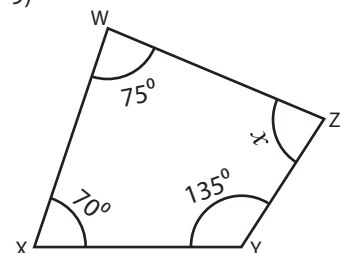
$$x = \text{_____}$$

8)

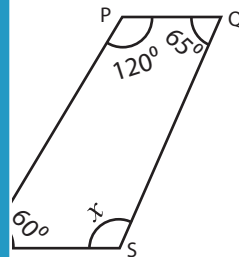


$$x = \text{_____}$$

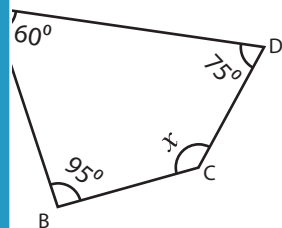
9)



$$x = \text{_____}$$



$$x = \text{_____}$$



$$x = \text{_____}$$

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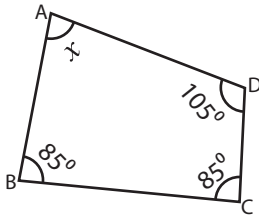
Name : _____

Answer key

Sheet 3

Angles in Quadrilateral

Example:



Sum of the interior angles = 360°

$$\text{Sum of the interior angles} = 85^\circ + 105^\circ + x + 85^\circ$$

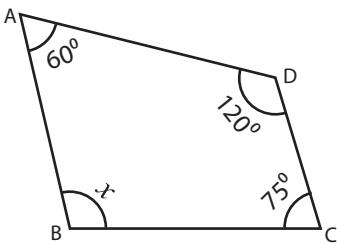
$$360^\circ = 275^\circ + x$$

$$x = 360^\circ - 275^\circ$$

$$x = \mathbf{85^\circ}$$

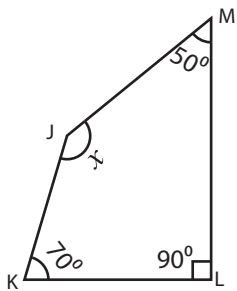
Find the unknown angle in each quadrilateral.

1)



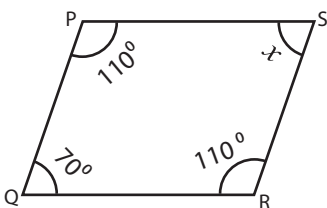
$$x = \mathbf{105^\circ}$$

4)



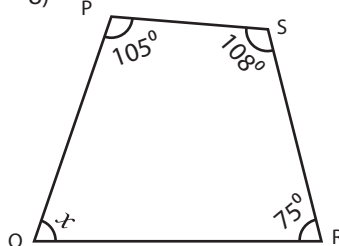
$$x = \mathbf{150^\circ}$$

7)



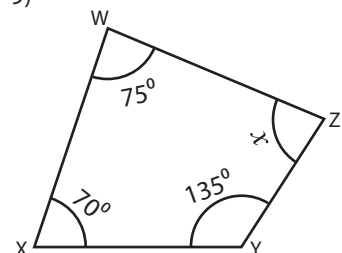
$$x = \mathbf{70^\circ}$$

8)

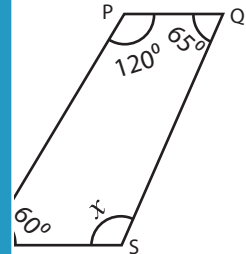


$$x = \mathbf{72^\circ}$$

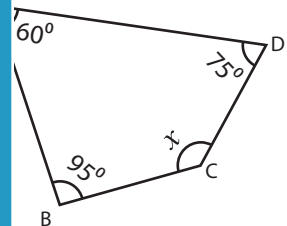
9)



$$x = \mathbf{80^\circ}$$



$$x = \mathbf{115^\circ}$$



$$x = \mathbf{130^\circ}$$

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