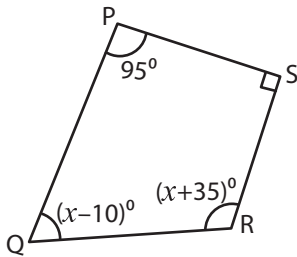


# Angles in Quadrilaterals

Solve for  $x$  in each quadrilateral, and find the measure of the indicated angles.

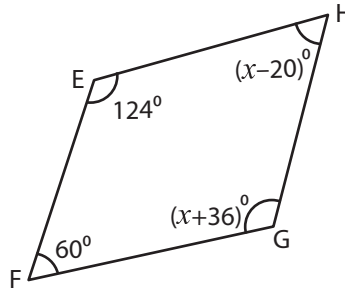
1)



$$x = \underline{\hspace{2cm}};$$

$$m\angle Q = \underline{\hspace{2cm}}; m\angle R = \underline{\hspace{2cm}}$$

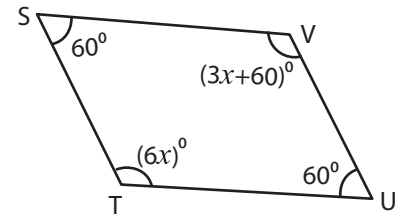
2)



$$x = \underline{\hspace{2cm}};$$

$$m\angle G = \underline{\hspace{2cm}}; m\angle H = \underline{\hspace{2cm}}$$

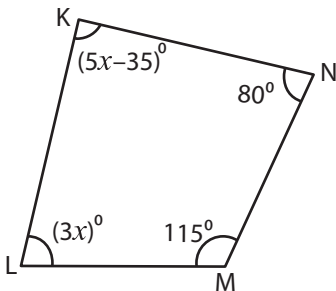
3)



$$x = \underline{\hspace{2cm}};$$

$$m\angle T = \underline{\hspace{2cm}}; m\angle V = \underline{\hspace{2cm}}$$

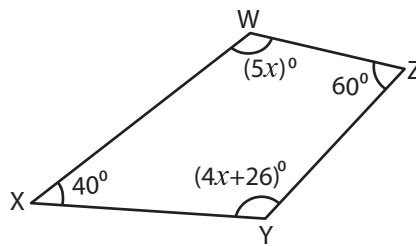
4)



$$x = \underline{\hspace{2cm}};$$

$$m\angle K = \underline{\hspace{2cm}}; m\angle L = \underline{\hspace{2cm}}$$

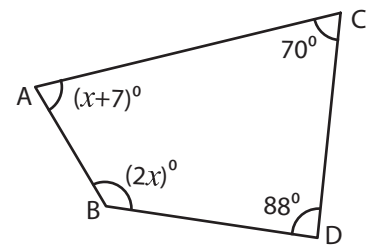
5)



$$x = \underline{\hspace{2cm}};$$

$$m\angle W = \underline{\hspace{2cm}}; m\angle Y = \underline{\hspace{2cm}}$$

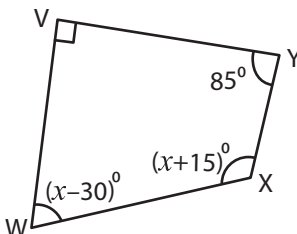
6)



$$x = \underline{\hspace{2cm}};$$

$$m\angle A = \underline{\hspace{2cm}}; m\angle B = \underline{\hspace{2cm}}$$

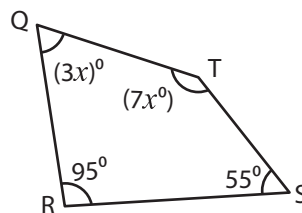
7)



$$x = \underline{\hspace{2cm}};$$

$$m\angle W = \underline{\hspace{2cm}}; m\angle X = \underline{\hspace{2cm}}$$

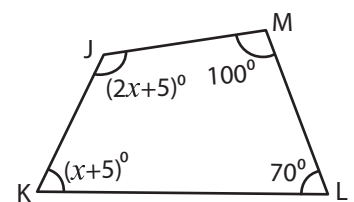
8)



$$x = \underline{\hspace{2cm}};$$

$$m\angle Q = \underline{\hspace{2cm}}; m\angle T = \underline{\hspace{2cm}}$$

9)



$$x = \underline{\hspace{2cm}};$$

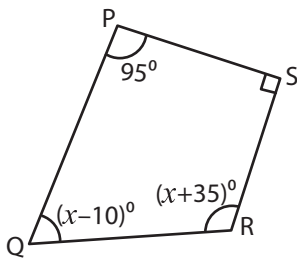
$$m\angle J = \underline{\hspace{2cm}}; m\angle K = \underline{\hspace{2cm}}$$

# Angles in Quadrilaterals

## Answer Key

Solve for  $x$  in each quadrilateral, and find the measure of the indicated angles.

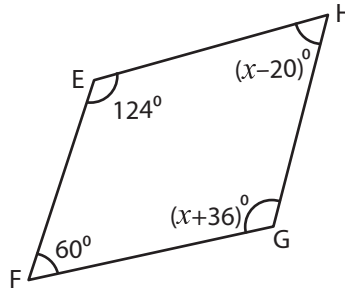
1)



$$x = \underline{75} ;$$

$$m\angle Q = \underline{65^\circ} ; m\angle R = \underline{110^\circ}$$

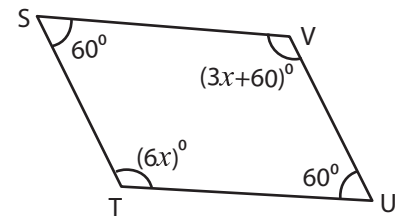
2)



$$x = \underline{80} ;$$

$$m\angle G = \underline{116^\circ} ; m\angle H = \underline{60^\circ}$$

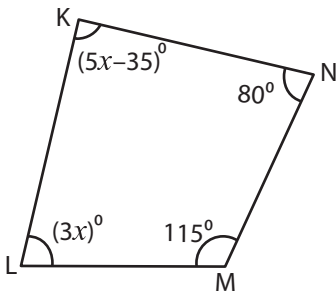
3)



$$x = \underline{20} ;$$

$$m\angle T = \underline{120^\circ} ; m\angle V = \underline{120^\circ}$$

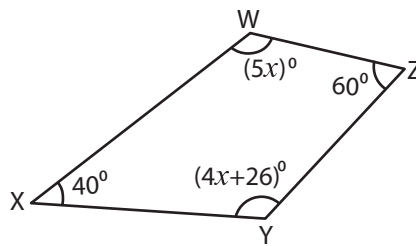
4)



$$x = \underline{25} ;$$

$$m\angle K = \underline{90^\circ} ; m\angle L = \underline{75^\circ}$$

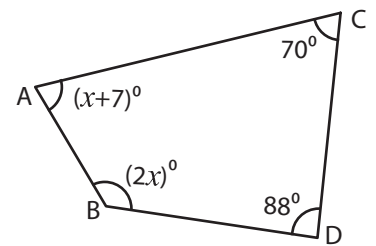
5)



$$x = \underline{26} ;$$

$$m\angle W = \underline{130^\circ} ; m\angle Y = \underline{130^\circ}$$

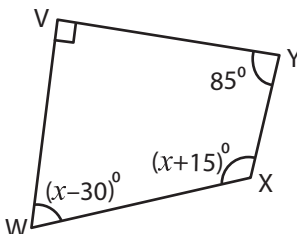
6)



$$x = \underline{65} ;$$

$$m\angle A = \underline{72^\circ} ; m\angle B = \underline{130^\circ}$$

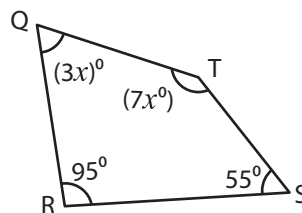
7)



$$x = \underline{100} ;$$

$$m\angle W = \underline{70^\circ} ; m\angle X = \underline{115^\circ}$$

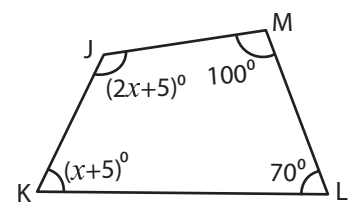
8)



$$x = \underline{21} ;$$

$$m\angle Q = \underline{63^\circ} ; m\angle T = \underline{147^\circ}$$

9)



$$x = \underline{60} ;$$

$$m\angle J = \underline{125^\circ} ; m\angle K = \underline{65^\circ}$$