



Angles on a Straight Line

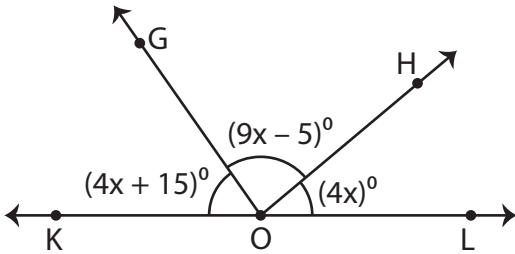
Name _____

Score _____

PA:07

Find the value of x and measure of the mentioned angles.

1)

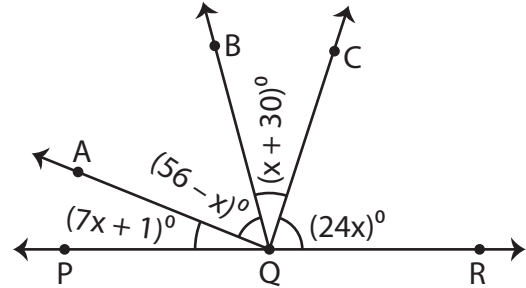


$m\angle LOH =$ _____

$m\angle GOH =$ _____ $x =$ _____

$m\angle KOG =$ _____

2)



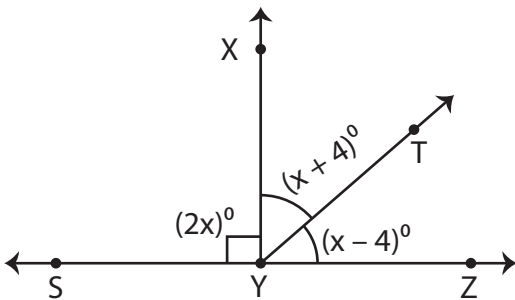
$m\angle CQR =$ _____

$m\angle BQC =$ _____ $x =$ _____

$m\angle AQB =$ _____

$m\angle PQA =$ _____

3)



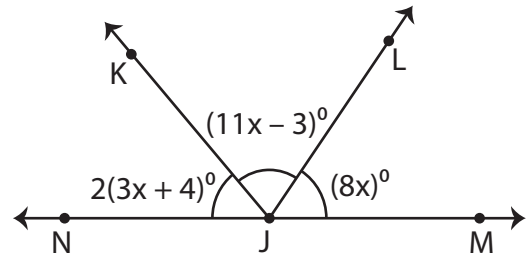
$m\angle TYZ =$ _____

$m\angle XYT =$ _____ $x =$ _____

$m\angle SYX =$ _____

$m\angle XYZ =$ _____

4)

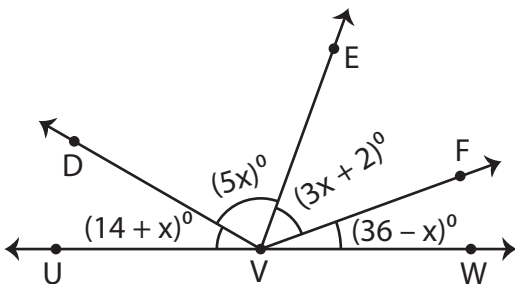


$m\angle KJL =$ _____

$m\angle NJK =$ _____ $x =$ _____

$m\angle MJL =$ _____

5)



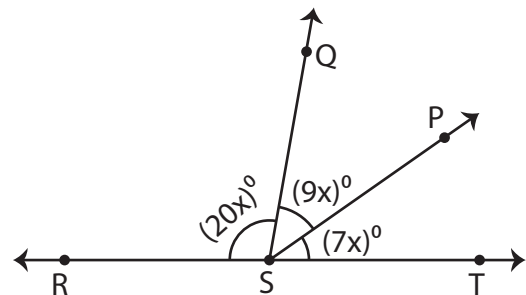
$m\angle EVF =$ _____

$m\angle DVU =$ _____ $x =$ _____

$m\angle EVD =$ _____

$m\angle FVW =$ _____

6)



$m\angle QST =$ _____

$m\angle PSR =$ _____ $x =$ _____

$m\angle RSQ =$ _____



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Name _____

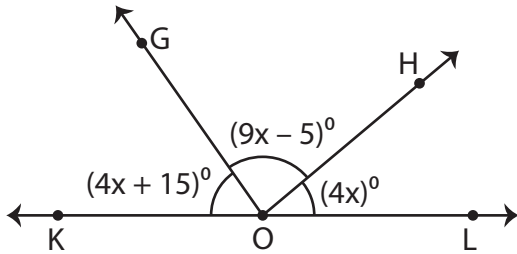
Score _____

Answer key

PA:07

Find the value of x and measure of the mentioned angles.

1)

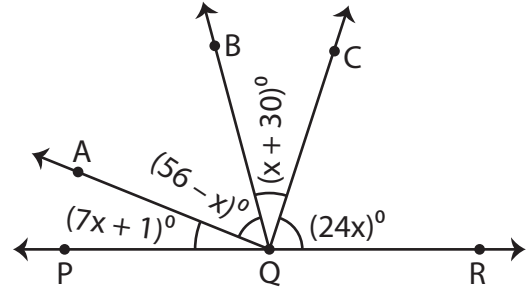


$$m\angle LOH = \underline{40^\circ}$$

$$m\angle GOH = \underline{85^\circ} \quad x = \underline{10}$$

$$m\angle KOG = \underline{55^\circ}$$

2)



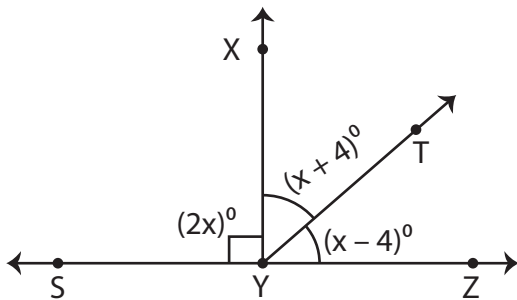
$$m\angle CQR = \underline{72^\circ}$$

$$m\angle BQC = \underline{33^\circ} \quad x = \underline{3}$$

$$m\angle AQB = \underline{53^\circ}$$

$$m\angle PQA = \underline{22^\circ}$$

3)



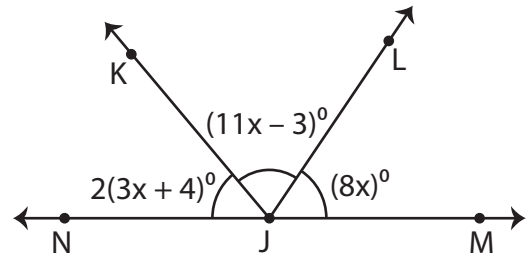
$$m\angle TYZ = \underline{41^\circ}$$

$$m\angle XYT = \underline{49^\circ} \quad x = \underline{45}$$

$$m\angle SYX = \underline{90^\circ}$$

$$m\angle XYZ = \underline{90^\circ}$$

4)

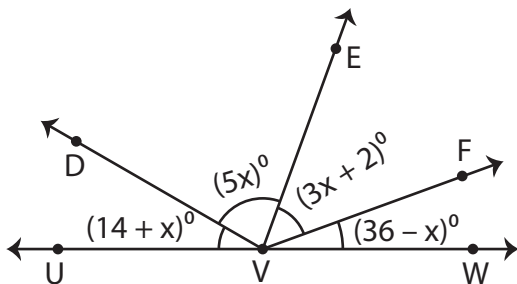


$$m\angle KJL = \underline{74^\circ}$$

$$m\angle NJK = \underline{50^\circ} \quad x = \underline{7}$$

$$m\angle MJL = \underline{56^\circ}$$

5)



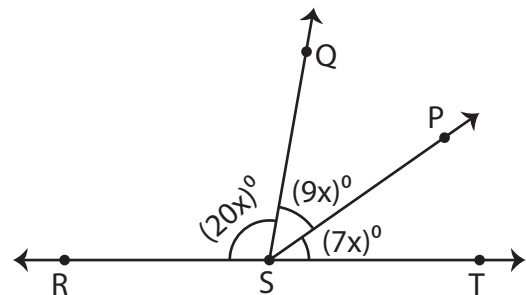
$$m\angle EVF = \underline{50^\circ}$$

$$m\angle DVU = \underline{30^\circ} \quad x = \underline{16}$$

$$m\angle EVD = \underline{80^\circ}$$

$$m\angle FVW = \underline{20^\circ}$$

6)



$$m\angle QST = \underline{80^\circ}$$

$$m\angle PSR = \underline{145^\circ} \quad x = \underline{5}$$

$$m\angle RSQ = \underline{100^\circ}$$