



# Angles on a Straight Line

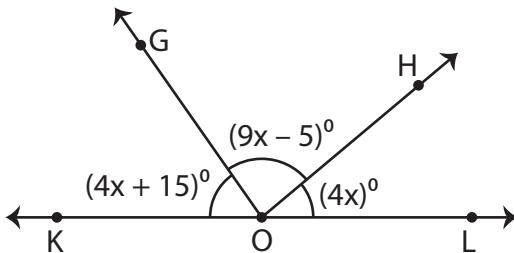
Name \_\_\_\_\_

Score \_\_\_\_\_

PA:07

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

1)

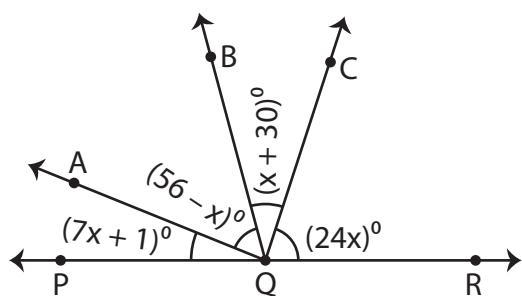


$m\angle LOH = \underline{\hspace{2cm}}$

$m\angle GOH = \underline{\hspace{2cm}} \quad x = \underline{\hspace{2cm}}$

$m\angle KOG = \underline{\hspace{2cm}}$

2)



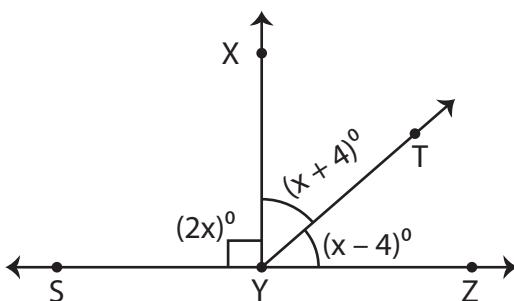
$m\angle CQR = \underline{\hspace{2cm}}$

$m\angle BQC = \underline{\hspace{2cm}} \quad x = \underline{\hspace{2cm}}$

$m\angle AQB = \underline{\hspace{2cm}}$

$m\angle PQA = \underline{\hspace{2cm}}$

3)



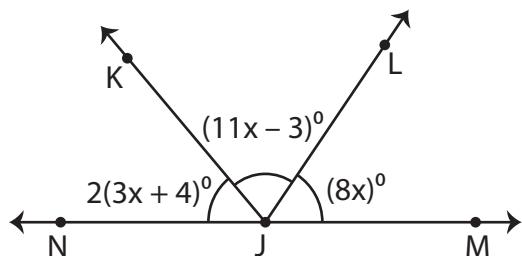
$m\angle TYZ = \underline{\hspace{2cm}}$

$m\angle XYT = \underline{\hspace{2cm}} \quad x = \underline{\hspace{2cm}}$

$m\angle SYX = \underline{\hspace{2cm}}$

$m\angle XYZ = \underline{\hspace{2cm}}$

4)

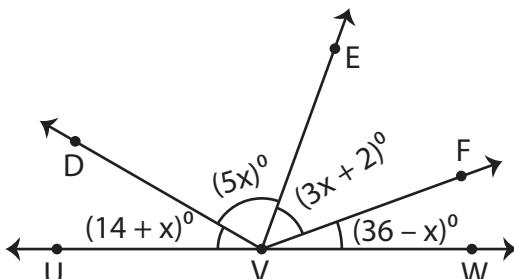


$m\angle KJL = \underline{\hspace{2cm}}$

$m\angle NJK = \underline{\hspace{2cm}} \quad x = \underline{\hspace{2cm}}$

$m\angle MJL = \underline{\hspace{2cm}}$

5)



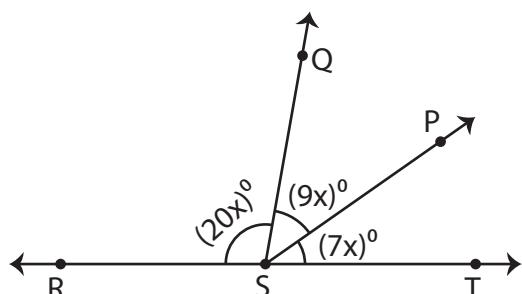
$m\angle EVF = \underline{\hspace{2cm}}$

$m\angle DVU = \underline{\hspace{2cm}} \quad x = \underline{\hspace{2cm}}$

$m\angle EVD = \underline{\hspace{2cm}}$

$m\angle FVW = \underline{\hspace{2cm}}$

6)



$m\angle QST = \underline{\hspace{2cm}}$

$m\angle PSR = \underline{\hspace{2cm}} \quad x = \underline{\hspace{2cm}}$

$m\angle RSQ = \underline{\hspace{2cm}}$



# Angles on a Straight Line

Name \_\_\_\_\_

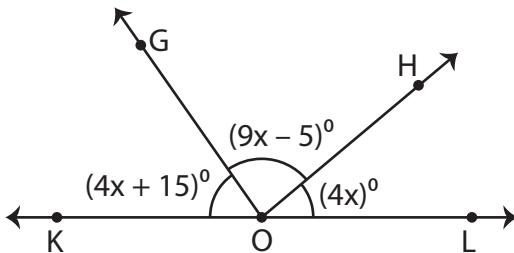
Score \_\_\_\_\_

## Answer key

PA:07

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

1)

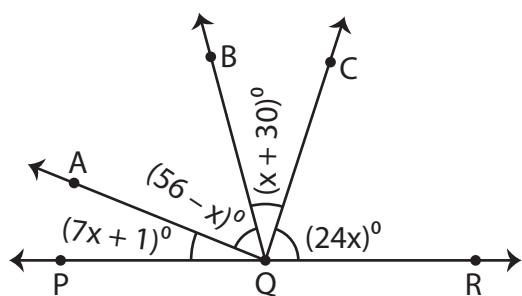


$$m\angle LOH = \underline{\hspace{2cm}40^\circ}$$

$$m\angle GOH = \underline{\hspace{2cm}85^\circ} \quad x = \underline{\hspace{2cm}10}$$

$$m\angle KOG = \underline{\hspace{2cm}55^\circ}$$

2)



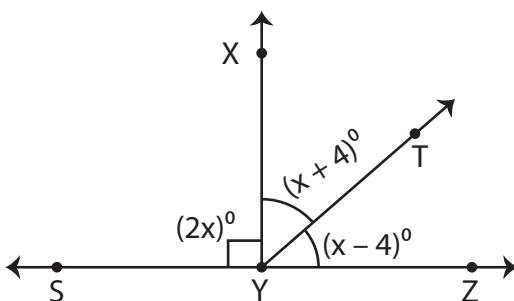
$$m\angle CQR = \underline{\hspace{2cm}72^\circ}$$

$$m\angle BQC = \underline{\hspace{2cm}33^\circ} \quad x = \underline{\hspace{2cm}3}$$

$$m\angle AQB = \underline{\hspace{2cm}53^\circ}$$

$$m\angle PQA = \underline{\hspace{2cm}22^\circ}$$

3)



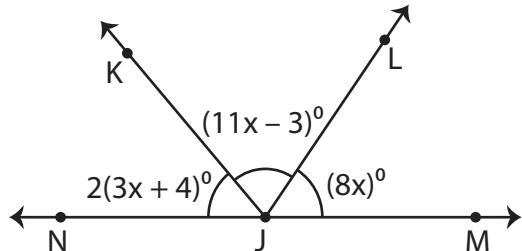
$$m\angle TYZ = \underline{\hspace{2cm}41^\circ}$$

$$m\angle XYT = \underline{\hspace{2cm}49^\circ} \quad x = \underline{\hspace{2cm}45}$$

$$m\angle SYX = \underline{\hspace{2cm}90^\circ}$$

$$m\angle XYZ = \underline{\hspace{2cm}90^\circ}$$

4)

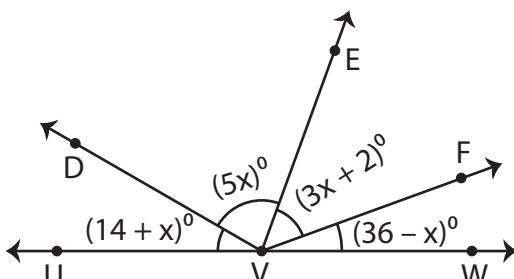


$$m\angle KJL = \underline{\hspace{2cm}74^\circ}$$

$$m\angle NJK = \underline{\hspace{2cm}50^\circ} \quad x = \underline{\hspace{2cm}7}$$

$$m\angle MJL = \underline{\hspace{2cm}56^\circ}$$

5)



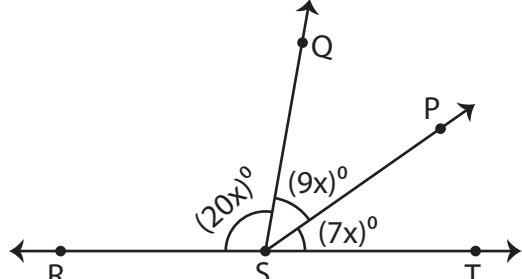
$$m\angle EVF = \underline{\hspace{2cm}50^\circ}$$

$$m\angle DVU = \underline{\hspace{2cm}30^\circ} \quad x = \underline{\hspace{2cm}16}$$

$$m\angle EVD = \underline{\hspace{2cm}80^\circ}$$

$$m\angle FVW = \underline{\hspace{2cm}20^\circ}$$

6)



$$m\angle QST = \underline{\hspace{2cm}80^\circ}$$

$$m\angle PSR = \underline{\hspace{2cm}145^\circ} \quad x = \underline{\hspace{2cm}5}$$

$$m\angle RSQ = \underline{\hspace{2cm}100^\circ}$$