



# Angles on a Straight Line

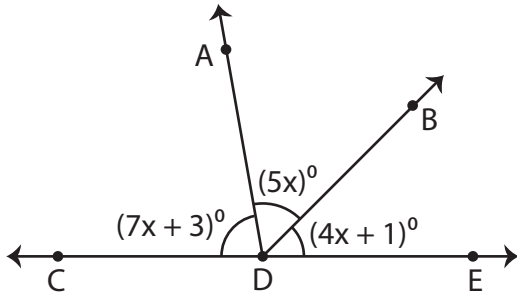
Name \_\_\_\_\_

Score \_\_\_\_\_

PA:08

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

1)

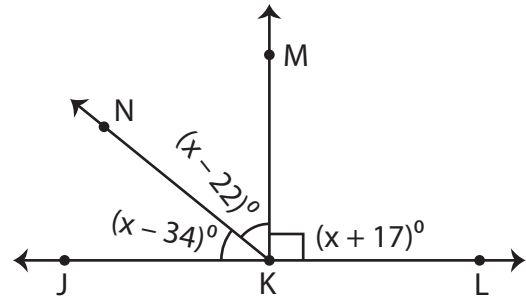


$m\angle ADC =$  \_\_\_\_\_

$m\angle ADB =$  \_\_\_\_\_  $x =$  \_\_\_\_\_

$m\angle BDE =$  \_\_\_\_\_

2)

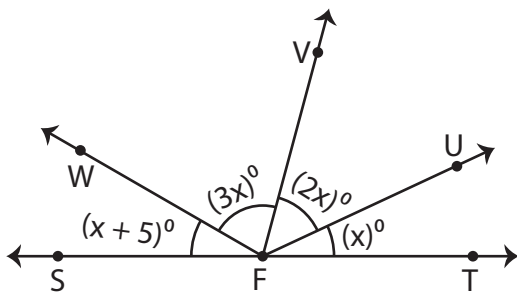


$m\angle MKL =$  \_\_\_\_\_

$m\angle NKM =$  \_\_\_\_\_  $x =$  \_\_\_\_\_

$m\angle JKN =$  \_\_\_\_\_

3)



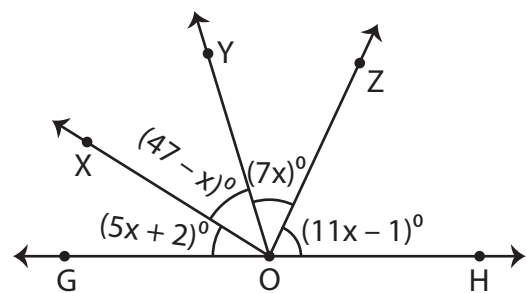
$m\angle TFU =$  \_\_\_\_\_

$m\angle UFV =$  \_\_\_\_\_  $x =$  \_\_\_\_\_

$m\angle VFW =$  \_\_\_\_\_

$m\angle WFS =$  \_\_\_\_\_

4)



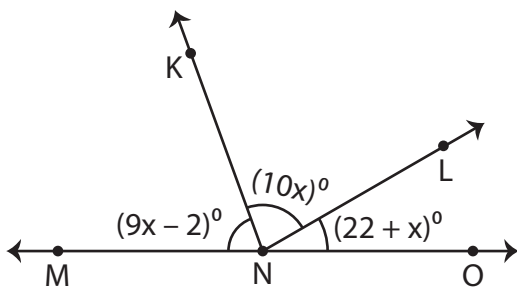
$m\angle GOY =$  \_\_\_\_\_

$m\angle YOH =$  \_\_\_\_\_  $x =$  \_\_\_\_\_

$m\angle XOZ =$  \_\_\_\_\_

$m\angle ZOG =$  \_\_\_\_\_

5)

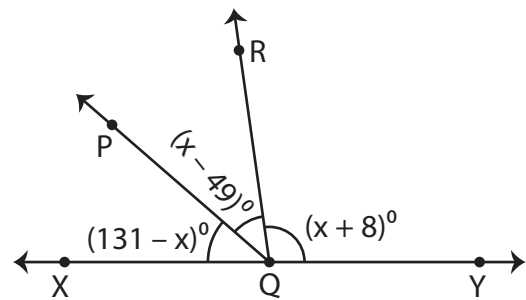


$m\angle MNL =$  \_\_\_\_\_

$m\angle KNO =$  \_\_\_\_\_  $x =$  \_\_\_\_\_

$m\angle LNK =$  \_\_\_\_\_

6)



$m\angle XQP =$  \_\_\_\_\_

$m\angle PQR =$  \_\_\_\_\_  $x =$  \_\_\_\_\_

$m\angle RQY =$  \_\_\_\_\_



# Angles on a Straight Line

Name \_\_\_\_\_

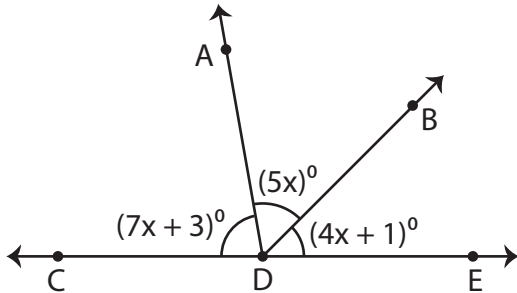
Score \_\_\_\_\_

## Answer key

PA:08

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

1)

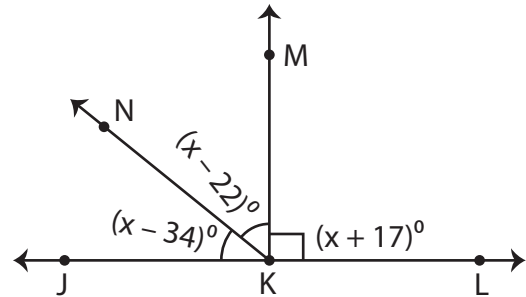


$$m\angle ADC = \underline{80^\circ}$$

$$m\angle ADB = \underline{55^\circ} \quad x = \underline{11}$$

$$m\angle BDE = \underline{45^\circ}$$

2)

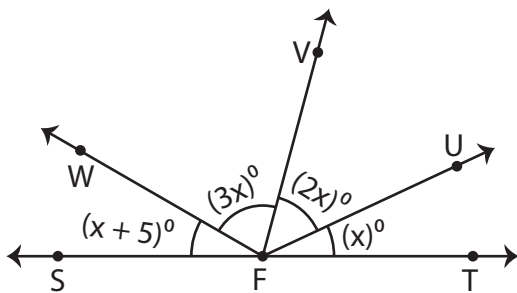


$$m\angle MKL = \underline{90^\circ}$$

$$m\angle NKM = \underline{51^\circ} \quad x = \underline{73}$$

$$m\angle JKN = \underline{39^\circ}$$

3)



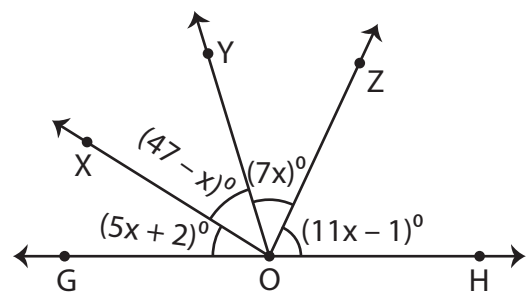
$$m\angle TFU = \underline{25^\circ}$$

$$m\angle UFV = \underline{50^\circ} \quad x = \underline{25}$$

$$m\angle VFW = \underline{75^\circ}$$

$$m\angle WFS = \underline{30^\circ}$$

4)



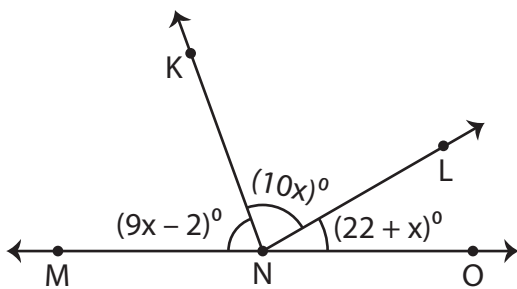
$$m\angle GOY = \underline{73^\circ}$$

$$m\angle YOZ = \underline{107^\circ} \quad x = \underline{6}$$

$$m\angle XOZ = \underline{83^\circ}$$

$$m\angle ZOG = \underline{115^\circ}$$

5)

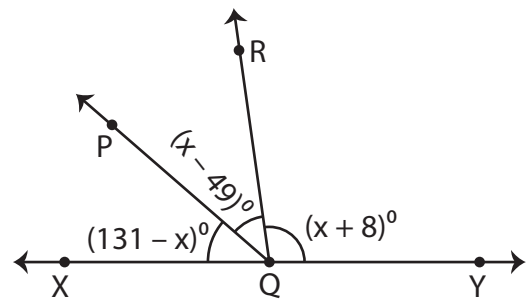


$$m\angle MNL = \underline{150^\circ}$$

$$m\angle KNO = \underline{110^\circ} \quad x = \underline{8}$$

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

6)



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

$$m\angle PQR = \underline{41^\circ} \quad x = \underline{90}$$

$$m\angle RQY = \underline{98^\circ}$$