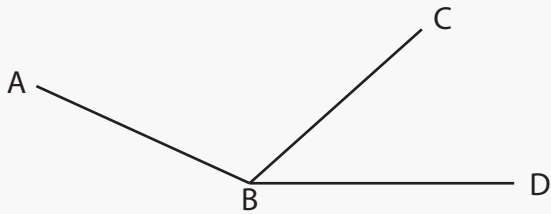


Adding Angles

Name: _____ Class: _____

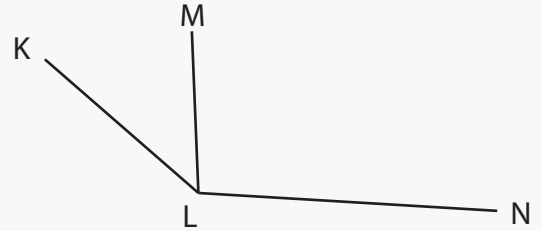
Find the value of the unknown angles. The angles are not drawn to scale.



$$\angle ABD = \underline{155^\circ}$$

$$\angle CBD = \underline{50^\circ}$$

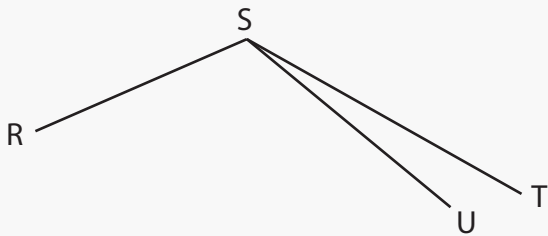
$$\angle ABC = \underline{\hspace{2cm}}$$



$$\angle KLN = \underline{145^\circ}$$

$$\angle KLM = \underline{47^\circ}$$

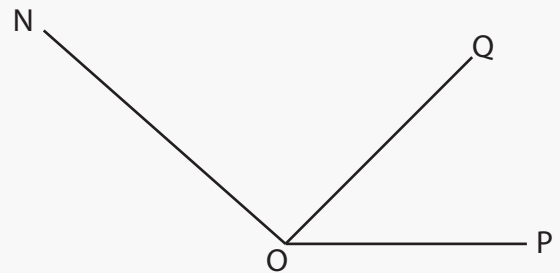
$$\angle MLN = \underline{\hspace{2cm}}$$



$$\angle RSU = \underline{115^\circ}$$

$$\angle UST = \underline{10^\circ}$$

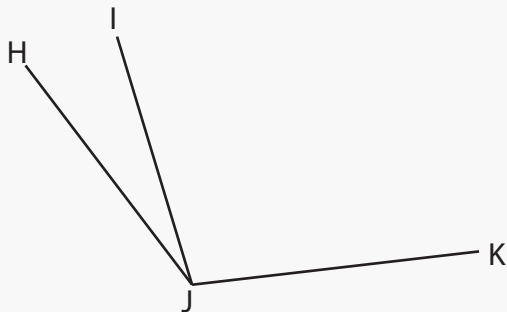
$$\angle RST = \underline{\hspace{2cm}}$$



$$\angle NOP = \underline{140^\circ}$$

$$\angle NOQ = \underline{95^\circ}$$

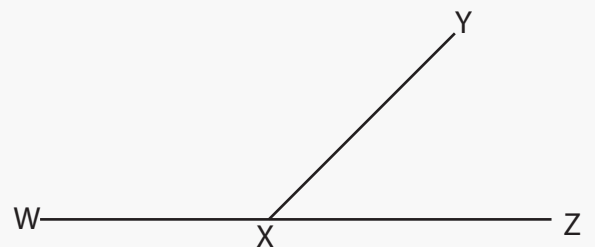
$$\angle QOP = \underline{\hspace{2cm}}$$



$$\angle HJK = \underline{120^\circ}$$

$$\angle HJI = \underline{20^\circ}$$

$$\angle IJK = \underline{\hspace{2cm}}$$



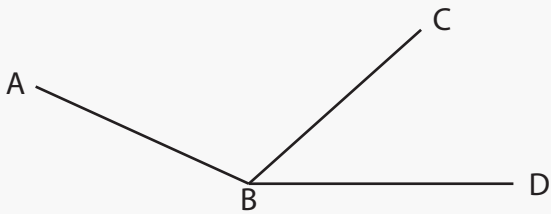
$$\angle WXY = \underline{135^\circ}$$

$$\angle YXZ = \underline{45^\circ}$$

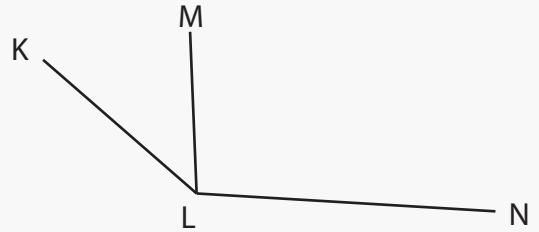
$$\angle WXZ = \underline{\hspace{2cm}}$$

Answers

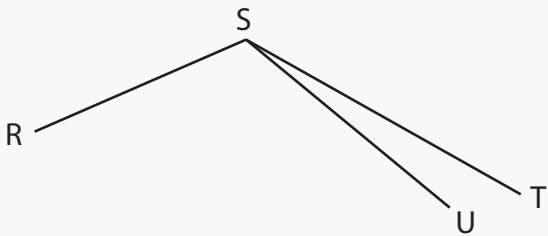
Find the value of the unknown angles. The angles are not drawn to scale.



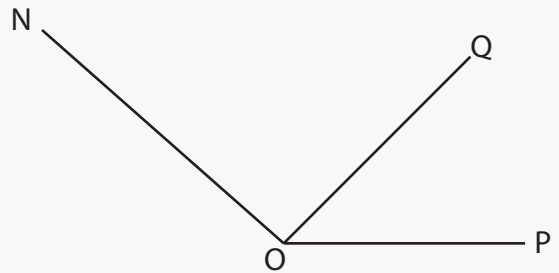
$$\begin{aligned}\angle ABD &= \underline{155^\circ} \\ \angle CBD &= \underline{50^\circ} \\ \angle ABC &= \underline{105^\circ}\end{aligned}$$



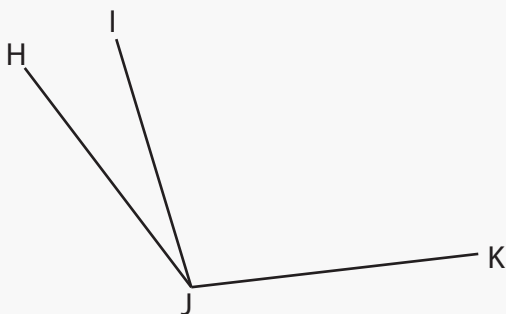
$$\begin{aligned}\angle KLN &= \underline{145^\circ} \\ \angle KLM &= \underline{47^\circ} \\ \angle MLN &= \underline{98^\circ}\end{aligned}$$



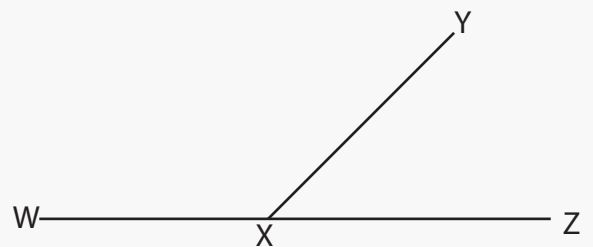
$$\begin{aligned}\angle RSU &= \underline{115^\circ} \\ \angle UST &= \underline{10^\circ} \\ \angle RST &= \underline{125^\circ}\end{aligned}$$



$$\begin{aligned}\angle NOP &= \underline{140^\circ} \\ \angle NOQ &= \underline{95^\circ} \\ \angle QOP &= \underline{45^\circ}\end{aligned}$$



$$\begin{aligned}\angle HJK &= \underline{120^\circ} \\ \angle HJI &= \underline{20^\circ} \\ \angle IJK &= \underline{100^\circ}\end{aligned}$$



$$\begin{aligned}\angle WXY &= \underline{135^\circ} \\ \angle YXZ &= \underline{45^\circ} \\ \angle WXZ &= \underline{180^\circ}\end{aligned}$$