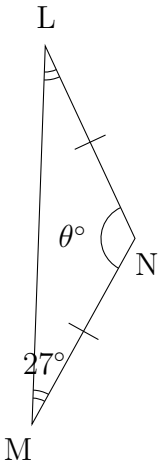
**Name:** _____ **Date:** _____

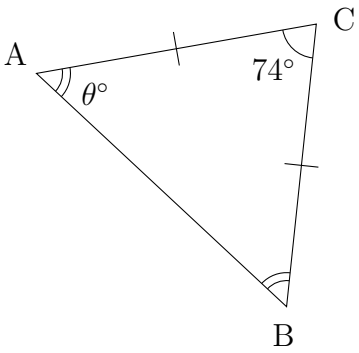
Angles in a Triangle: Questions

(1)



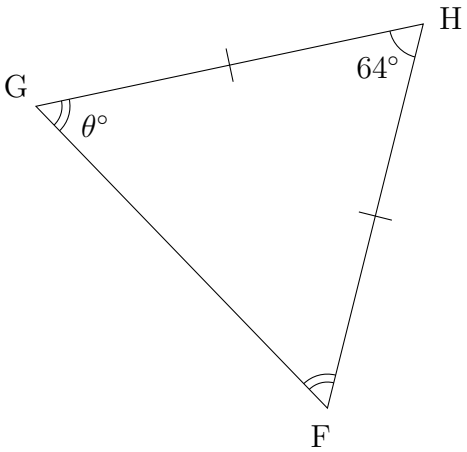

$$\begin{aligned}\theta^\circ &= 180^\circ - (\angle\ldots\ldots + \angle\ldots\ldots)\\ &= 180^\circ - (\ldots\ldots^\circ + \ldots\ldots^\circ)\\ &= 180^\circ - \ldots\ldots^\circ\\ &= \ldots\ldots^\circ\end{aligned}$$

(2)



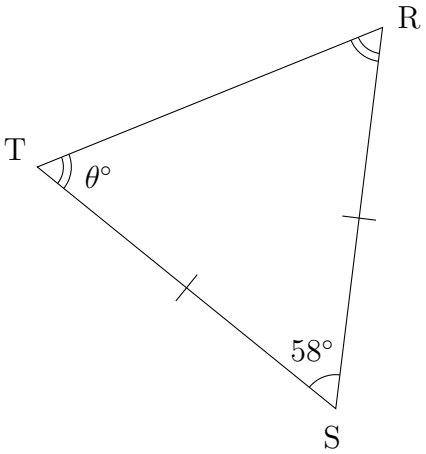

$$\begin{aligned}\theta^\circ &= \frac{(180^\circ - \angle\ldots\ldots)}{2}\\ &= \frac{(180^\circ - \ldots\ldots^\circ)}{2}\\ &= \frac{\ldots\ldots^\circ}{2}\\ &= \ldots\ldots^\circ\end{aligned}$$

(3)



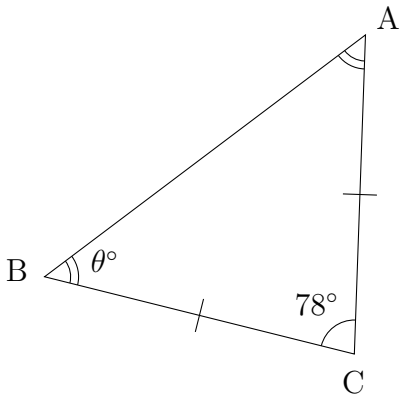

$$\begin{aligned}\theta^\circ &= \frac{(180^\circ - \angle\ldots\ldots)}{2}\\ &= \frac{(180^\circ - \ldots\ldots^\circ)}{2}\\ &= \frac{\ldots\ldots^\circ}{2}\\ &= \ldots\ldots^\circ\end{aligned}$$

(4)



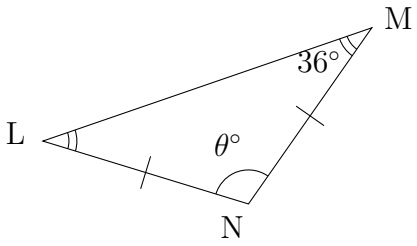

$$\begin{aligned}\theta^\circ &= \frac{(180^\circ - \angle\ldots\ldots)}{2}\\ &= \frac{(180^\circ - \ldots\ldots^\circ)}{2}\\ &= \frac{\ldots\ldots^\circ}{2}\\ &= \ldots\ldots^\circ\end{aligned}$$

(5)



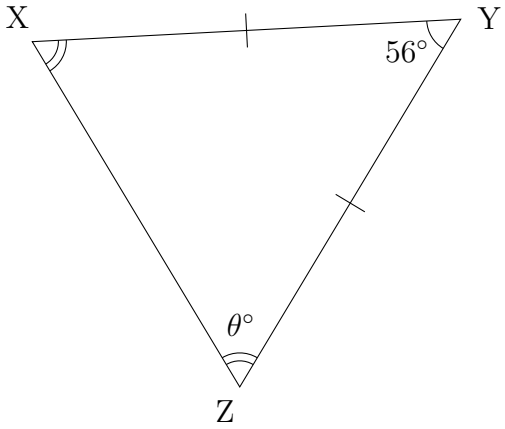

$$\begin{aligned}\theta^\circ &= \frac{(180^\circ - \angle\ldots\ldots)}{2} \\ &= \frac{(180^\circ - \ldots\ldots^\circ)}{2} \\ &= \frac{\ldots\ldots^\circ}{2} \\ &= \ldots\ldots^\circ\end{aligned}$$

(6)



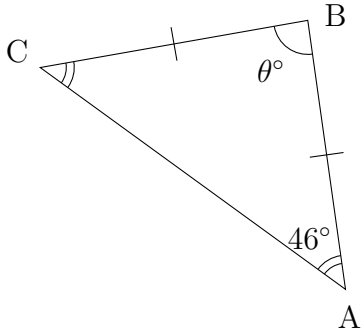

$$\begin{aligned}\theta^\circ &= 180^\circ - (\angle\ldots\ldots + \angle\ldots\ldots) \\ &= 180^\circ - (\ldots\ldots^\circ + \ldots\ldots^\circ) \\ &= 180^\circ - \ldots\ldots^\circ \\ &= \ldots\ldots^\circ\end{aligned}$$

(7)



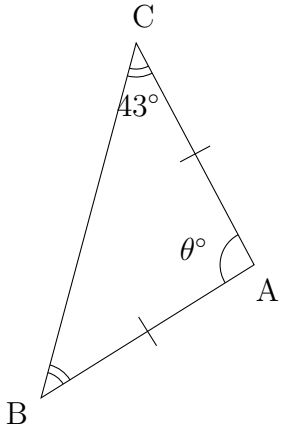

$$\begin{aligned}\theta^\circ &= \frac{(180^\circ - \angle\ldots\ldots)}{2} \\ &= \frac{(180^\circ - \ldots\ldots^\circ)}{2} \\ &= \frac{\ldots\ldots^\circ}{2} \\ &= \ldots\ldots^\circ\end{aligned}$$

(8)



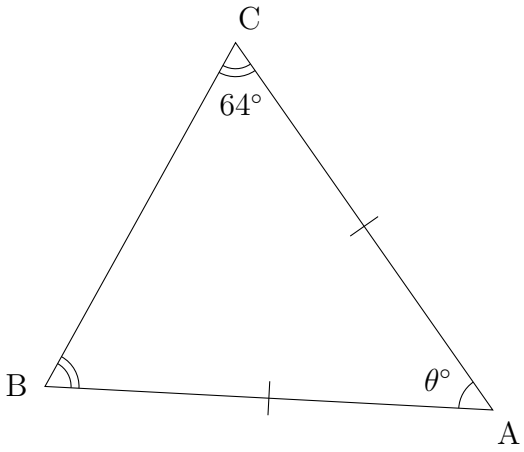

$$\begin{aligned}\theta^\circ &= 180^\circ - (\angle\ldots\ldots + \angle\ldots\ldots) \\ &= 180^\circ - (\ldots\ldots^\circ + \ldots\ldots^\circ) \\ &= 180^\circ - \ldots\ldots^\circ \\ &= \ldots\ldots^\circ\end{aligned}$$

(9)



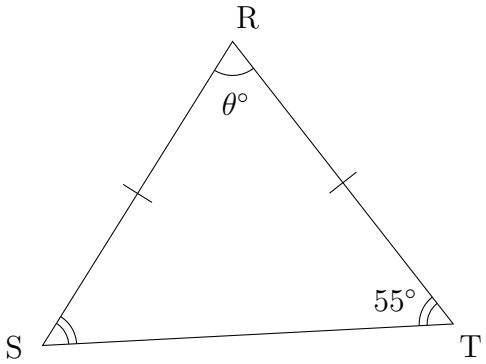

$$\begin{aligned}\theta^\circ &= 180^\circ - (\angle\ldots\ldots + \angle\ldots\ldots) \\ &= 180^\circ - (\ldots\ldots^\circ + \ldots\ldots^\circ) \\ &= 180^\circ - \ldots\ldots^\circ \\ &= \ldots\ldots^\circ\end{aligned}$$

(10)



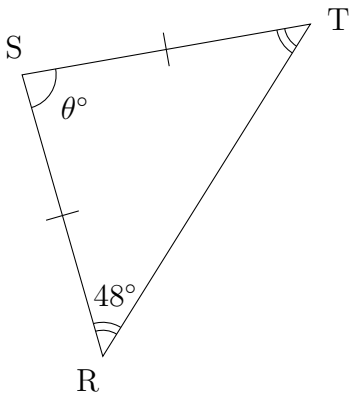

$$\begin{aligned}\theta^\circ &= 180^\circ - (\angle\ldots\ldots + \angle\ldots\ldots)\\ &= 180^\circ - (\ldots\ldots^\circ + \ldots\ldots^\circ)\\ &= 180^\circ - \ldots\ldots^\circ\\ &= \ldots\ldots^\circ\end{aligned}$$

(11)



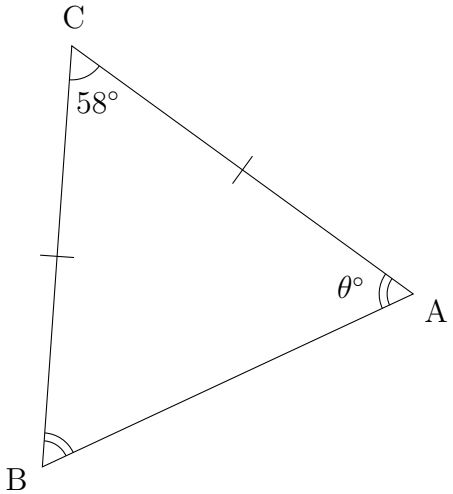

$$\begin{aligned}\theta^\circ &= 180^\circ - (\angle\ldots\ldots + \angle\ldots\ldots)\\ &= 180^\circ - (\ldots\ldots^\circ + \ldots\ldots^\circ)\\ &= 180^\circ - \ldots\ldots^\circ\\ &= \ldots\ldots^\circ\end{aligned}$$

(12)



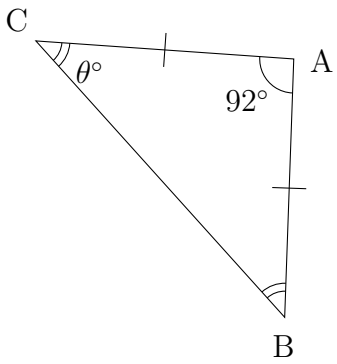

$$\begin{aligned}\theta^\circ &= 180^\circ - (\angle\ldots\ldots + \angle\ldots\ldots)\\ &= 180^\circ - (\ldots\ldots^\circ + \ldots\ldots^\circ)\\ &= 180^\circ - \ldots\ldots^\circ\\ &= \ldots\ldots^\circ\end{aligned}$$

(13)



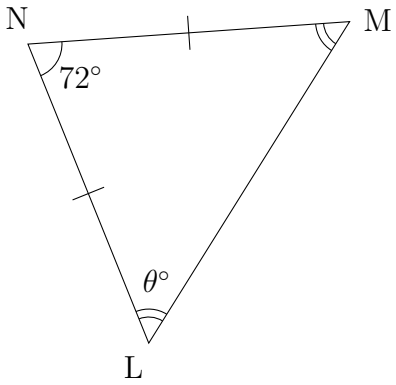

$$\begin{aligned}\theta^\circ &= \frac{(180^\circ - \angle\ldots\ldots)}{2}\\ &= \frac{(180^\circ - \ldots\ldots^\circ)}{2}\\ &= \frac{\ldots\ldots^\circ}{2}\\ &= \ldots\ldots^\circ\end{aligned}$$

(14)



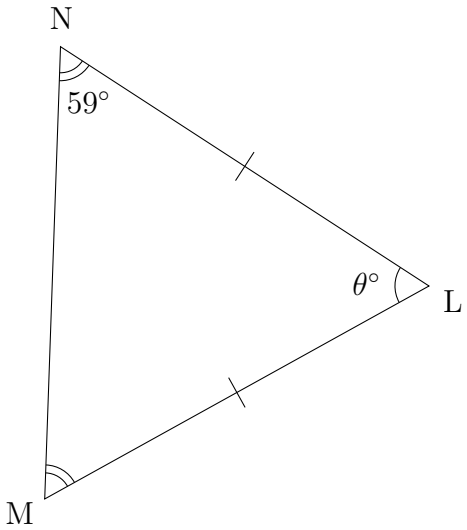

$$\begin{aligned}\theta° &= \frac{(180° - \angle\ldots\ldots)}{2} \\ &= \frac{(180° - \ldots\ldots°)}{2} \\ &= \frac{\ldots\ldots°}{2} \\ &= \ldots\ldots°\end{aligned}$$

(15)



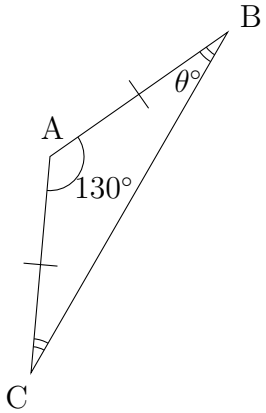

$$\begin{aligned}\theta° &= \frac{(180° - \angle\ldots\ldots)}{2} \\ &= \frac{(180° - \ldots\ldots°)}{2} \\ &= \frac{\ldots\ldots°}{2} \\ &= \ldots\ldots°\end{aligned}$$

(16)



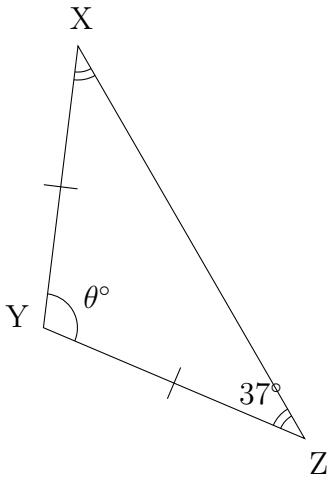

$$\begin{aligned}\theta° &= 180° - (\angle\ldots\ldots + \angle\ldots\ldots) \\ &= 180° - (\ldots\ldots° + \ldots\ldots°) \\ &= 180° - \ldots\ldots° \\ &= \ldots\ldots°\end{aligned}$$

(17)



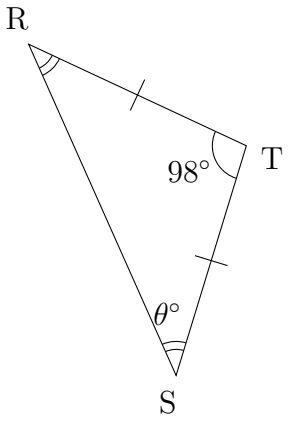

$$\begin{aligned}\theta° &= \frac{(180° - \angle\ldots\ldots)}{2} \\ &= \frac{(180° - \ldots\ldots°)}{2} \\ &= \frac{\ldots\ldots°}{2} \\ &= \ldots\ldots°\end{aligned}$$

(18)



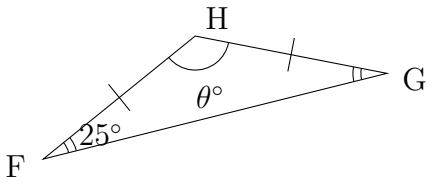

$$\begin{aligned}\theta^\circ &= 180^\circ - (\angle\ldots\ldots + \angle\ldots\ldots)\\ &= 180^\circ - (\ldots\ldots^\circ + \ldots\ldots^\circ)\\ &= 180^\circ - \ldots\ldots^\circ\\ &= \ldots\ldots^\circ\end{aligned}$$

(19)




$$\begin{aligned}\theta^\circ &= \frac{(180^\circ - \angle\ldots\ldots)}{2}\\ &= \frac{(180^\circ - \ldots\ldots^\circ)}{2}\\ &= \frac{\ldots\ldots^\circ}{2}\\ &= \ldots\ldots^\circ\end{aligned}$$

(20)




$$\begin{aligned}\theta^\circ &= 180^\circ - (\angle\ldots\ldots + \angle\ldots\ldots)\\ &= 180^\circ - (\ldots\ldots^\circ + \ldots\ldots^\circ)\\ &= 180^\circ - \ldots\ldots^\circ\\ &= \ldots\ldots^\circ\end{aligned}$$