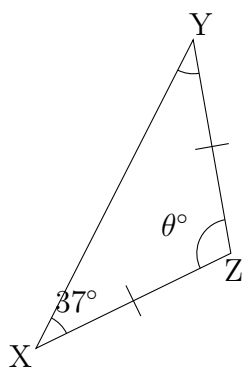


Name: _____

Date: _____

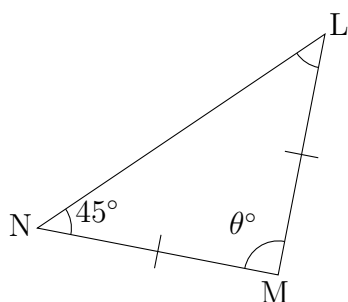
Angles in a Triangle: Questions

(1)



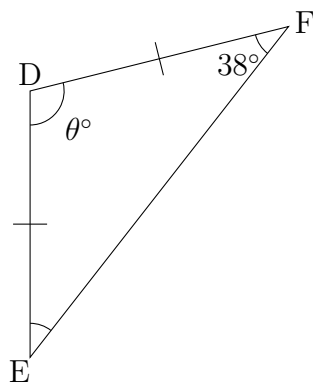
$$\begin{aligned}\angle Z &= 180^\circ - (\angle Y + \angle X) \\ &= 180^\circ - (\dots^\circ + \dots^\circ) \\ &= 180^\circ - \dots^\circ \\ &= \dots^\circ\end{aligned}$$

(2)



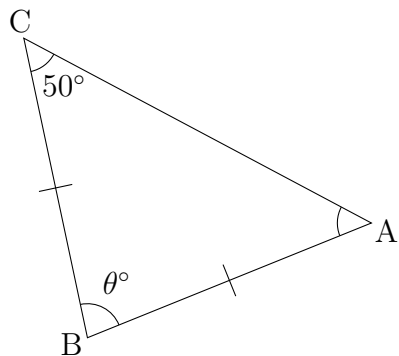
$$\begin{aligned}\angle M &= 180^\circ - (\angle L + \angle N) \\ &= 180^\circ - (\dots^\circ + \dots^\circ) \\ &= 180^\circ - \dots^\circ \\ &= \dots^\circ\end{aligned}$$

(3)



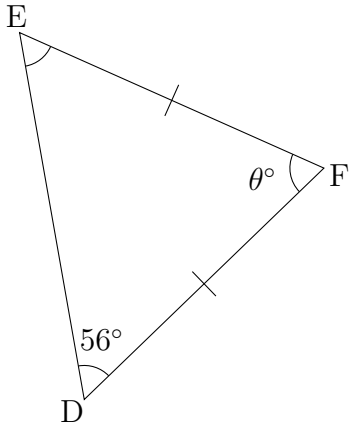
$$\begin{aligned}\angle D &= 180^\circ - (\angle E + \angle F) \\ &= 180^\circ - (\dots^\circ + \dots^\circ) \\ &= 180^\circ - \dots^\circ \\ &= \dots^\circ\end{aligned}$$

(4)



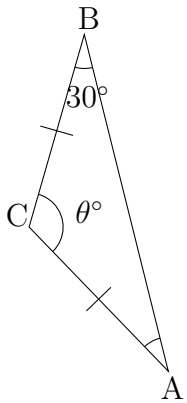
$$\begin{aligned}\angle B &= 180^\circ - (\angle A + \angle C) \\ &= 180^\circ - (\dots^\circ + \dots^\circ) \\ &= 180^\circ - \dots^\circ \\ &= \dots^\circ\end{aligned}$$

(5)



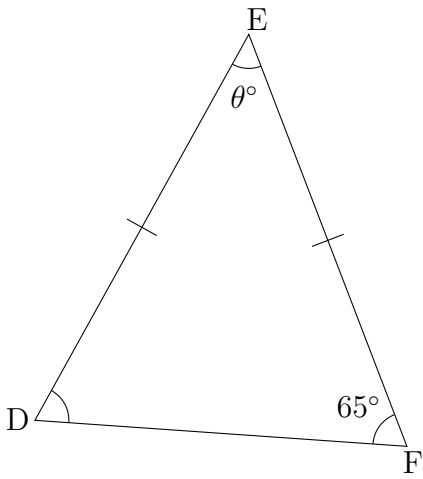
$$\begin{aligned} \angle F &= 180^\circ - (\angle E + \angle D) \\ &= 180^\circ - (\dots^\circ + \dots^\circ) \\ &= 180^\circ - \dots^\circ \\ &= \dots^\circ \end{aligned}$$

(6)



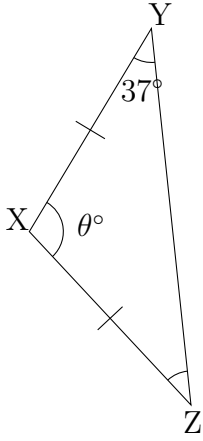
$$\begin{aligned} \angle C &= 180^\circ - (\angle A + \angle B) \\ &= 180^\circ - (\dots^\circ + \dots^\circ) \\ &= 180^\circ - \dots^\circ \\ &= \dots^\circ \end{aligned}$$

(7)



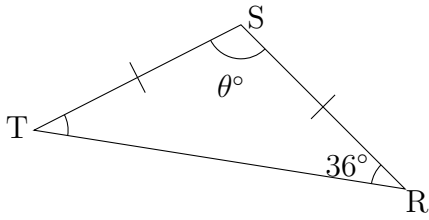
$$\begin{aligned} \angle E &= 180^\circ - (\angle D + \angle F) \\ &= 180^\circ - (\dots^\circ + \dots^\circ) \\ &= 180^\circ - \dots^\circ \\ &= \dots^\circ \end{aligned}$$

(8)



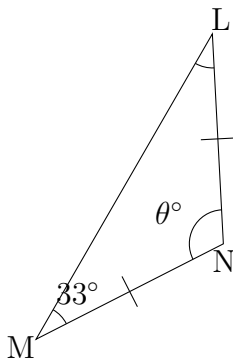
$$\begin{aligned} \angle X &= 180^\circ - (\angle Z + \angle Y) \\ &= 180^\circ - (\dots^\circ + \dots^\circ) \\ &= 180^\circ - \dots^\circ \\ &= \dots^\circ \end{aligned}$$

(9)



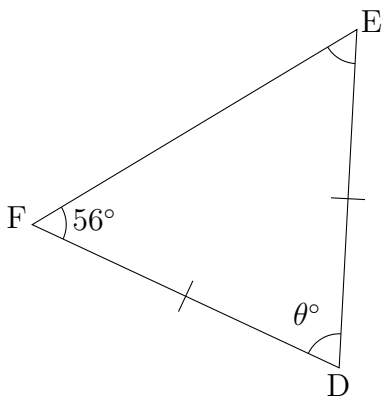
$$\begin{aligned} \angle S &= 180^\circ - (\angle T + \angle R) \\ &= 180^\circ - (\dots^\circ + \dots^\circ) \\ &= 180^\circ - \dots^\circ \\ &= \dots^\circ \end{aligned}$$

(10)



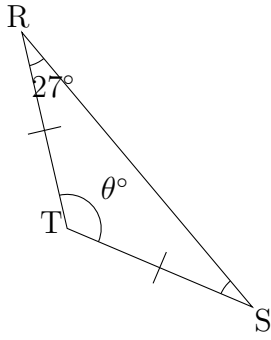
$$\begin{aligned} \angle N &= 180^\circ - (\angle L + \angle M) \\ &= 180^\circ - (\dots^\circ + \dots^\circ) \\ &= 180^\circ - \dots^\circ \\ &= \dots^\circ \end{aligned}$$

(11)



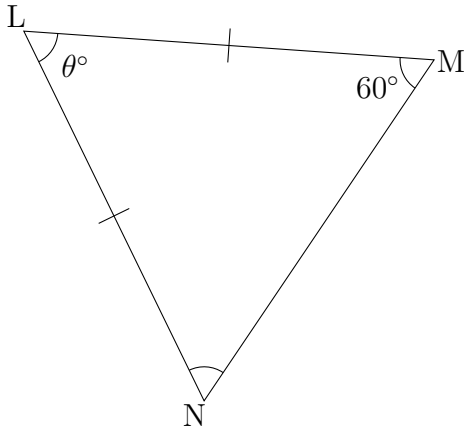
$$\begin{aligned} \angle D &= 180^\circ - (\angle E + \angle F) \\ &= 180^\circ - (\dots^\circ + \dots^\circ) \\ &= 180^\circ - \dots^\circ \\ &= \dots^\circ \end{aligned}$$

(12)



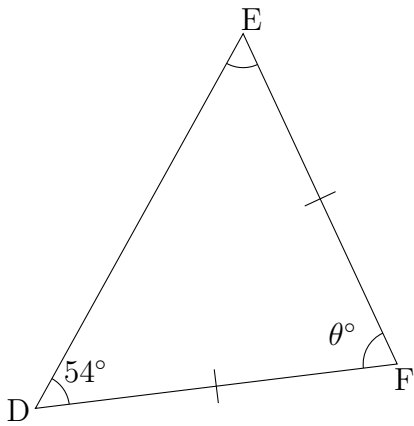
$$\begin{aligned} \angle T &= 180^\circ - (\angle S + \angle R) \\ &= 180^\circ - (\dots^\circ + \dots^\circ) \\ &= 180^\circ - \dots^\circ \\ &= \dots^\circ \end{aligned}$$

(13)



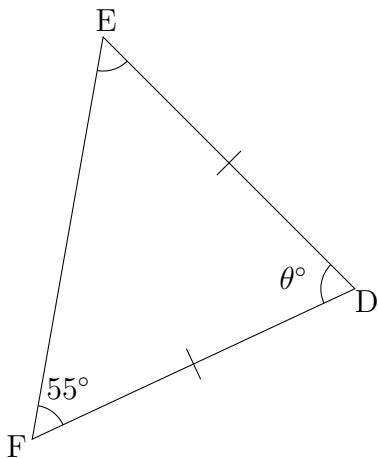
$$\begin{aligned} \angle L &= 180^\circ - (\angle N + \angle M) \\ &= 180^\circ - (\dots^\circ + \dots^\circ) \\ &= 180^\circ - \dots^\circ \\ &= \dots^\circ \end{aligned}$$

(14)



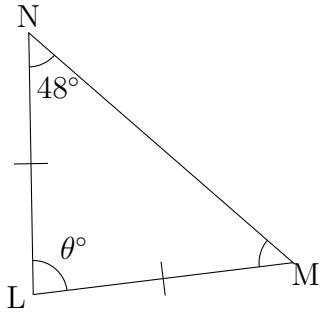
$$\begin{aligned} \angle F &= 180^\circ - (\angle E + \angle D) \\ &= 180^\circ - (\dots^\circ + \dots^\circ) \\ &= 180^\circ - \dots^\circ \\ &= \dots^\circ \end{aligned}$$

(15)



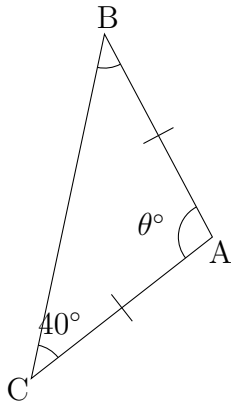
$$\begin{aligned} \angle D &= 180^\circ - (\angle E + \angle F) \\ &= 180^\circ - (\dots^\circ + \dots^\circ) \\ &= 180^\circ - \dots^\circ \\ &= \dots^\circ \end{aligned}$$

(16)



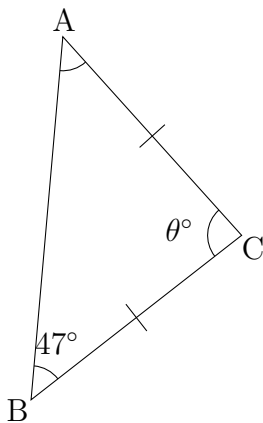
$$\begin{aligned} \angle L &= 180^\circ - (\angle M + \angle N) \\ &= 180^\circ - (\dots^\circ + \dots^\circ) \\ &= 180^\circ - \dots^\circ \\ &= \dots^\circ \end{aligned}$$

(17)



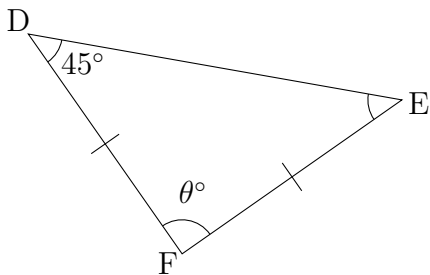
$$\begin{aligned} \angle A &= 180^\circ - (\angle B + \angle C) \\ &= 180^\circ - (\dots^\circ + \dots^\circ) \\ &= 180^\circ - \dots^\circ \\ &= \dots^\circ \end{aligned}$$

(18)



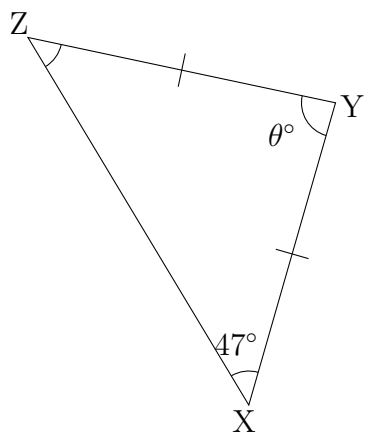
$$\begin{aligned} \angle C &= 180^\circ - (\angle A + \angle B) \\ &= 180^\circ - (\dots^\circ + \dots^\circ) \\ &= 180^\circ - \dots^\circ \\ &= \dots^\circ \end{aligned}$$

(19)



$$\begin{aligned} \angle F &= 180^\circ - (\angle E + \angle D) \\ &= 180^\circ - (\dots^\circ + \dots^\circ) \\ &= 180^\circ - \dots^\circ \\ &= \dots^\circ \end{aligned}$$

(20)



$$\begin{aligned}\angle Y &= 180^\circ - (\angle Z + \angle X) \\ &= 180^\circ - (\dots^\circ + \dots^\circ) \\ &= 180^\circ - \dots^\circ \\ &= \dots^\circ\end{aligned}$$