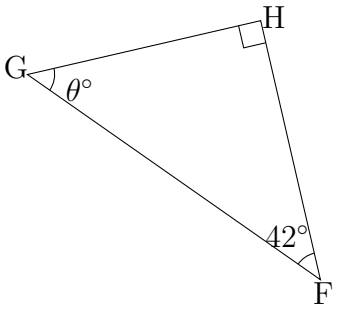
Name: _____ **Date:** _____

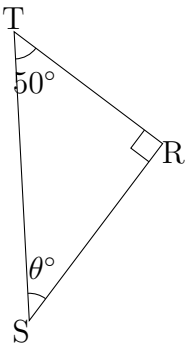
Angles in Right Triangles: Answers

(1)



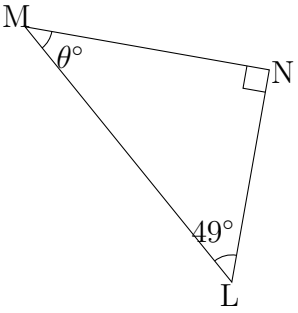
$$\begin{aligned}\angle G &= 90^\circ - \angle F \\ &= 90^\circ - 42^\circ \\ &= 48^\circ\end{aligned}$$

(2)



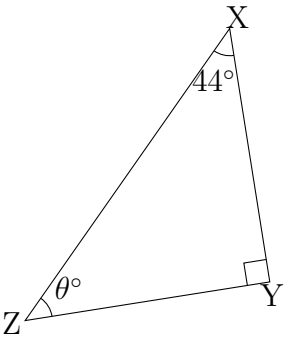
$$\begin{aligned}\angle S &= 90^\circ - \angle T \\ &= 90^\circ - 50^\circ \\ &= 40^\circ\end{aligned}$$

(3)



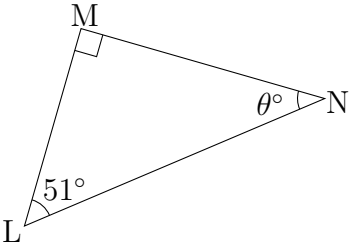
$$\begin{aligned}\angle M &= 90^\circ - \angle L \\ &= 90^\circ - 49^\circ \\ &= 41^\circ\end{aligned}$$

(4)



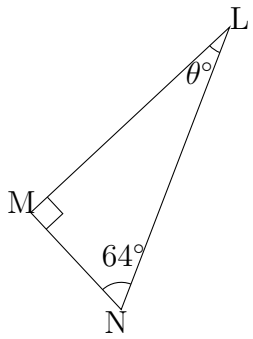
$$\begin{aligned}\angle Z &= 90^\circ - \angle X \\ &= 90^\circ - 44^\circ \\ &= 46^\circ\end{aligned}$$

(5)



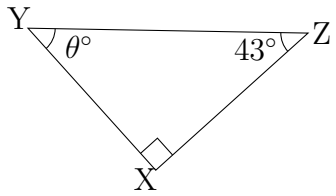
$$\begin{aligned}\angle N &= 90^\circ - \angle L \\ &= 90^\circ - 51^\circ \\ &= 39^\circ\end{aligned}$$

(6)



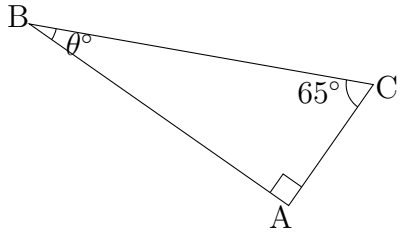
$$\begin{aligned}\angle \mathrm{L} &= 90^\circ - \angle \mathrm{N} \\ &= 90^\circ - 64^\circ \\ &= 26^\circ\end{aligned}$$

(7)



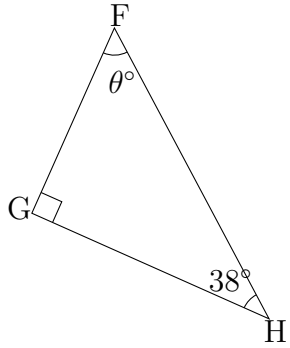
$$\begin{aligned}\angle \mathrm{Y} &= 90^\circ - \angle \mathrm{Z} \\ &= 90^\circ - 43^\circ \\ &= 47^\circ\end{aligned}$$

(8)



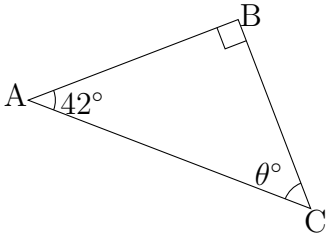
$$\begin{aligned}\angle \mathrm{B} &= 90^\circ - \angle \mathrm{C} \\ &= 90^\circ - 65^\circ \\ &= 25^\circ\end{aligned}$$

(9)



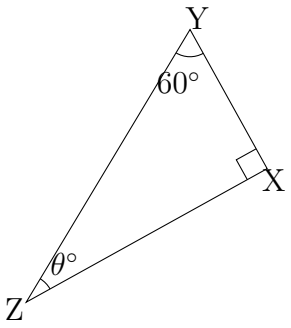
$$\begin{aligned}\angle \mathrm{F} &= 90^\circ - \angle \mathrm{H} \\ &= 90^\circ - 38^\circ \\ &= 52^\circ\end{aligned}$$

(10)



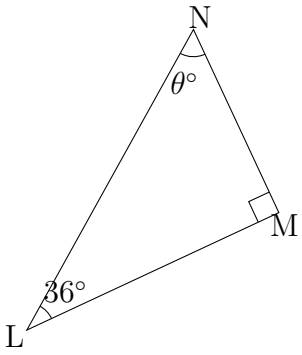
$$\begin{aligned}\angle \mathrm{C} &= 90^\circ - \angle \mathrm{A} \\ &= 90^\circ - 42^\circ \\ &= 48^\circ\end{aligned}$$

(11)



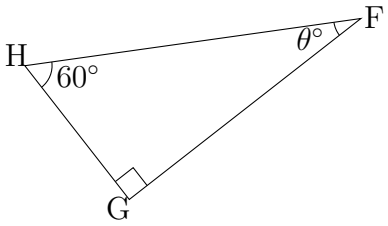
$$\begin{aligned}\angle Z &= 90^\circ - \angle Y \\ &= 90^\circ - 60^\circ \\ &= 30^\circ\end{aligned}$$

(12)



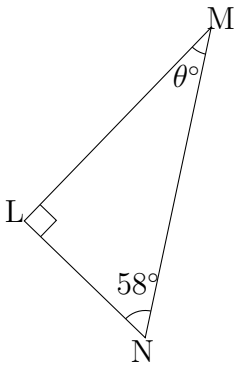
$$\begin{aligned}\angle N &= 90^\circ - \angle L \\ &= 90^\circ - 36^\circ \\ &= 54^\circ\end{aligned}$$

(13)



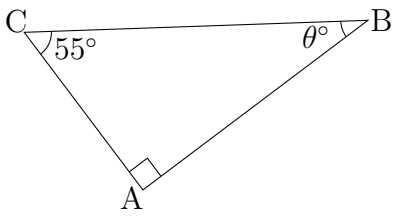
$$\begin{aligned}\angle F &= 90^\circ - \angle H \\ &= 90^\circ - 60^\circ \\ &= 30^\circ\end{aligned}$$

(14)



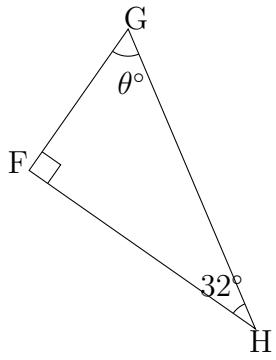
$$\begin{aligned}\angle M &= 90^\circ - \angle N \\ &= 90^\circ - 58^\circ \\ &= 32^\circ\end{aligned}$$

(15)



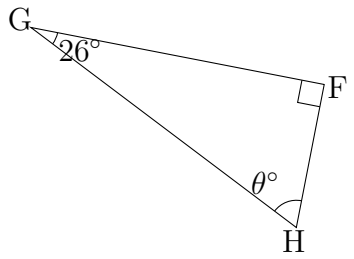
$$\begin{aligned}\angle B &= 90^\circ - \angle C \\ &= 90^\circ - 55^\circ \\ &= 35^\circ\end{aligned}$$

(16)



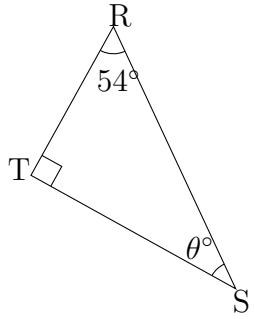
$$\begin{aligned}\angle G &= 90^\circ - \angle H \\ &= 90^\circ - 32^\circ \\ &= 58^\circ\end{aligned}$$

(17)



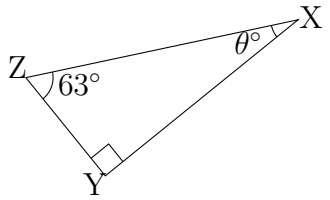
$$\begin{aligned}\angle H &= 90^\circ - \angle G \\ &= 90^\circ - 26^\circ \\ &= 64^\circ\end{aligned}$$

(18)



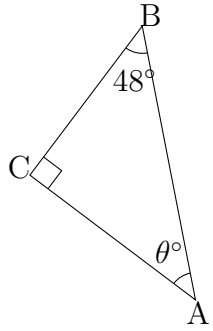
$$\begin{aligned}\angle S &= 90^\circ - \angle R \\ &= 90^\circ - 54^\circ \\ &= 36^\circ\end{aligned}$$

(19)



$$\begin{aligned}\angle X &= 90^\circ - \angle Z \\ &= 90^\circ - 63^\circ \\ &= 27^\circ\end{aligned}$$

(20)



$$\begin{aligned}\angle A &= 90^\circ - \angle B \\ &= 90^\circ - 48^\circ \\ &= 42^\circ\end{aligned}$$