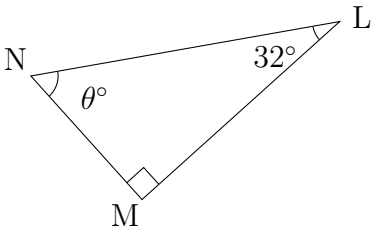
Name: _____ **Date:** _____

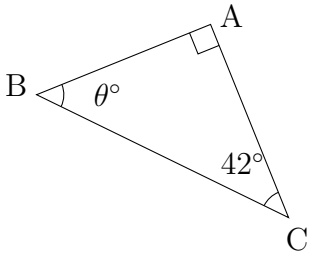
Angles in Right Triangles: Answers

(1)



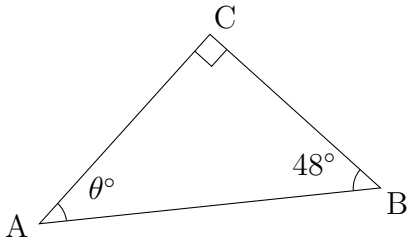
$$\begin{aligned}\theta^\circ &= 90^\circ - \angle \mathrm{L} \\ &= 90^\circ - 32^\circ \\ &= 58^\circ\end{aligned}$$

(2)



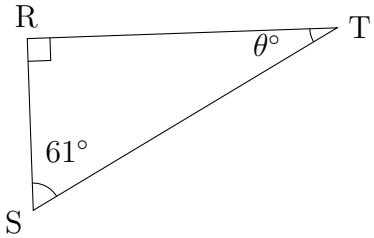
$$\begin{aligned}\theta^\circ &= 90^\circ - \angle \mathrm{C} \\ &= 90^\circ - 42^\circ \\ &= 48^\circ\end{aligned}$$

(3)



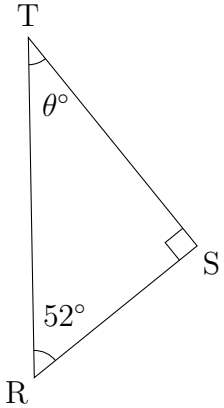
$$\begin{aligned}\theta^\circ &= 90^\circ - \angle \mathrm{B} \\ &= 90^\circ - 48^\circ \\ &= 42^\circ\end{aligned}$$

(4)



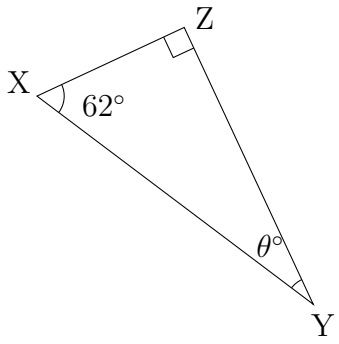
$$\begin{aligned}\theta^\circ &= 90^\circ - \angle \mathrm{S} \\ &= 90^\circ - 61^\circ \\ &= 29^\circ\end{aligned}$$

(5)



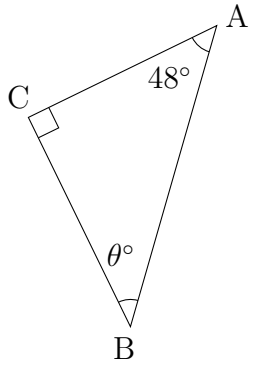
$$\begin{aligned}\theta^\circ &= 90^\circ - \angle \mathrm{R} \\ &= 90^\circ - 52^\circ \\ &= 38^\circ\end{aligned}$$

(6)



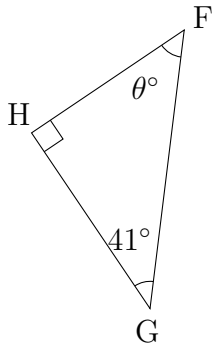
$$\begin{aligned}\theta^\circ &= 90^\circ - \angle\mathrm{X} \\ &= 90^\circ - 62^\circ \\ &= 28^\circ\end{aligned}$$

(7)



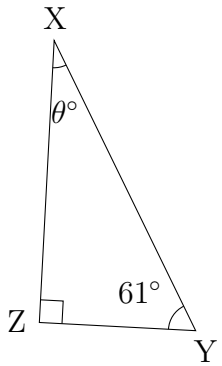
$$\begin{aligned}\theta^\circ &= 90^\circ - \angle\mathrm{A} \\ &= 90^\circ - 48^\circ \\ &= 42^\circ\end{aligned}$$

(8)



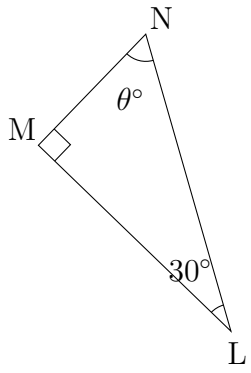
$$\begin{aligned}\theta^\circ &= 90^\circ - \angle\mathrm{G} \\ &= 90^\circ - 41^\circ \\ &= 49^\circ\end{aligned}$$

(9)



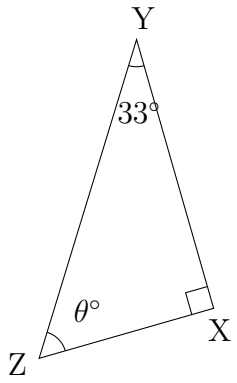
$$\begin{aligned}\theta^\circ &= 90^\circ - \angle\mathrm{Y} \\ &= 90^\circ - 61^\circ \\ &= 29^\circ\end{aligned}$$

(10)



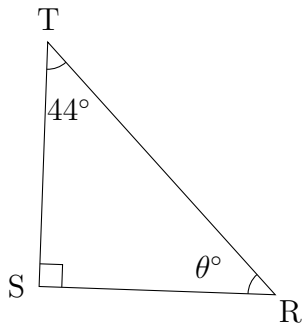
$$\begin{aligned}\theta^\circ &= 90^\circ - \angle \mathrm{L} \\ &= 90^\circ - 30^\circ \\ &= 60^\circ\end{aligned}$$

(11)



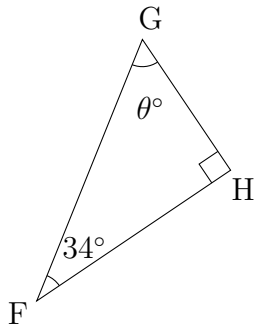
$$\begin{aligned}\theta^\circ &= 90^\circ - \angle \mathrm{Y} \\ &= 90^\circ - 33^\circ \\ &= 57^\circ\end{aligned}$$

(12)



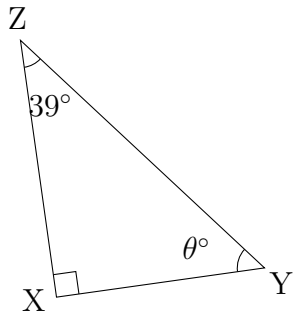
$$\begin{aligned}\theta^\circ &= 90^\circ - \angle \mathrm{T} \\ &= 90^\circ - 44^\circ \\ &= 46^\circ\end{aligned}$$

(13)



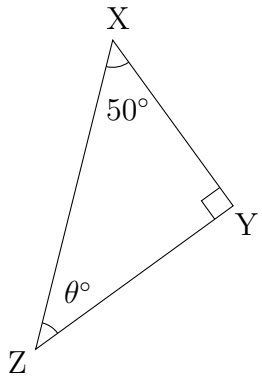
$$\begin{aligned}\theta^\circ &= 90^\circ - \angle \mathrm{F} \\ &= 90^\circ - 34^\circ \\ &= 56^\circ\end{aligned}$$

(14)



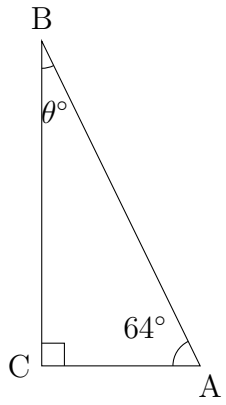
$$\begin{aligned}\theta^\circ &= 90^\circ - \angle \mathrm{Z} \\ &= 90^\circ - 39^\circ \\ &= 51^\circ\end{aligned}$$

(15)



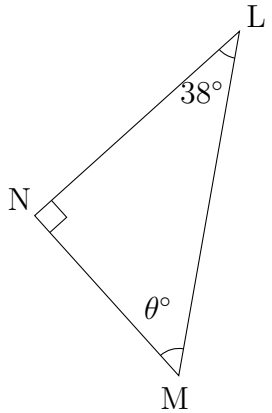
$$\begin{aligned}\theta^\circ &= 90^\circ - \angle \mathrm{X} \\ &= 90^\circ - 50^\circ \\ &= 40^\circ\end{aligned}$$

(16)



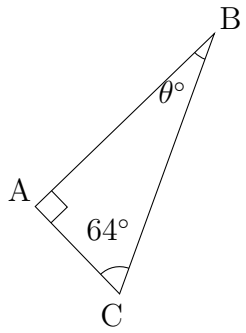
$$\begin{aligned}\theta^\circ &= 90^\circ - \angle \mathrm{A} \\ &= 90^\circ - 64^\circ \\ &= 26^\circ\end{aligned}$$

(17)



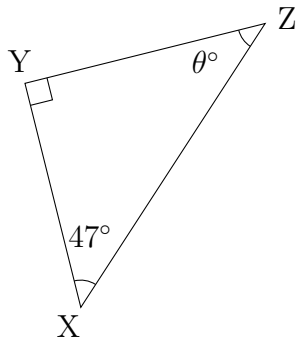
$$\begin{aligned}\theta^\circ &= 90^\circ - \angle \mathrm{L} \\ &= 90^\circ - 38^\circ \\ &= 52^\circ\end{aligned}$$

(18)



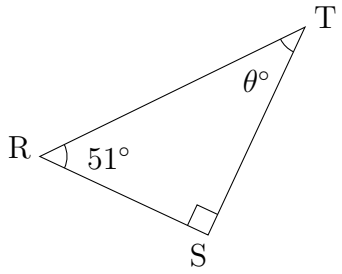
$$\begin{aligned}\theta^\circ &= 90^\circ - \angle\mathrm{C} \\ &= 90^\circ - 64^\circ \\ &= 26^\circ\end{aligned}$$

(19)



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

(20)



$$\begin{aligned}\theta^\circ &= 90^\circ - \angle\mathrm{R} \\ &= 90^\circ - 51^\circ \\ &= 39^\circ\end{aligned}$$