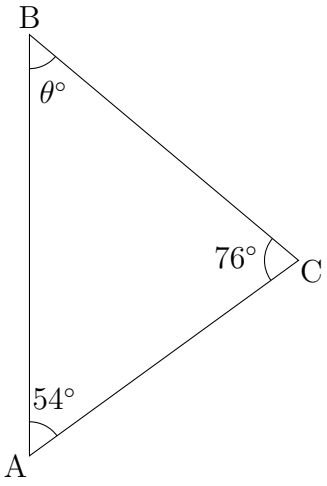
Name: _____ **Date:** _____

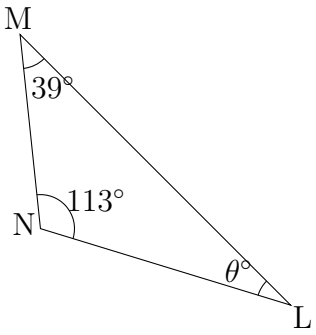
Angles in a Triangle: Answers

(1)



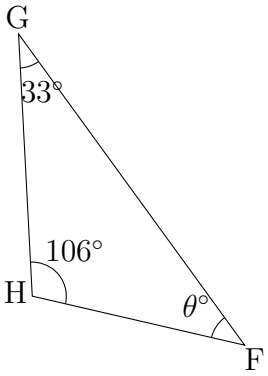
$$\begin{aligned}\angle B &= 180^\circ - (\angle A + \angle C)\\ &= 180^\circ - (54^\circ + 76^\circ)\\ &= 180^\circ - 130^\circ\\ &= 50^\circ\end{aligned}$$

(2)



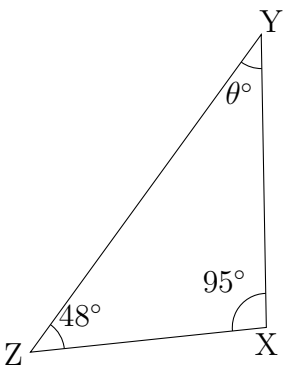
$$\begin{aligned}\angle L &= 180^\circ - (\angle M + \angle N)\\ &= 180^\circ - (39^\circ + 113^\circ)\\ &= 180^\circ - 152^\circ\\ &= 28^\circ\end{aligned}$$

(3)



$$\begin{aligned}\angle F &= 180^\circ - (\angle G + \angle H)\\ &= 180^\circ - (33^\circ + 106^\circ)\\ &= 180^\circ - 139^\circ\\ &= 41^\circ\end{aligned}$$

(4)



$$\begin{aligned}\angle Y &= 180^\circ - (\angle Z + \angle X)\\ &= 180^\circ - (48^\circ + 95^\circ)\\ &= 180^\circ - 143^\circ\\ &= 37^\circ\end{aligned}$$