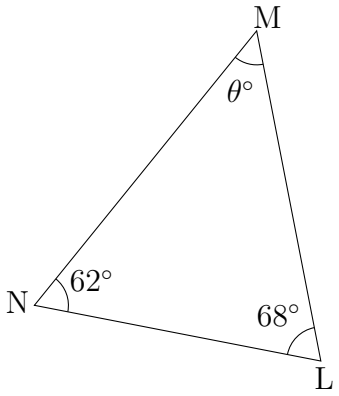
Name: _____ **Date:** _____

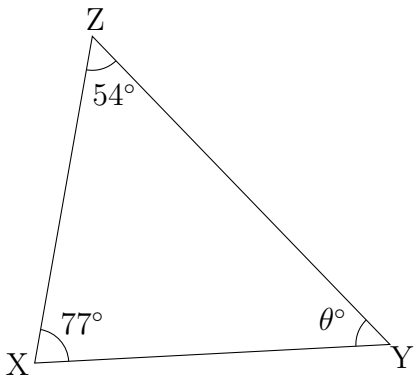
Angles in a Triangle: Answers

(1)



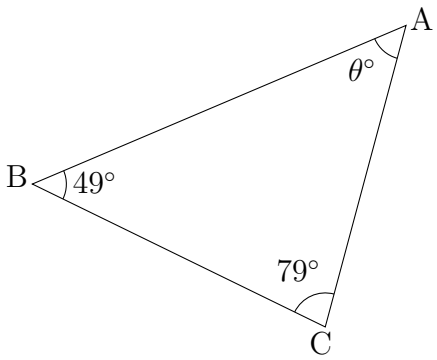
$$\begin{aligned}\angle M &= 180^\circ - (\angle N + \angle L)\\ &= 180^\circ - (62^\circ + 68^\circ)\\ &= 180^\circ - 130^\circ\\ &= 50^\circ\end{aligned}$$

(2)



$$\begin{aligned}\angle Y &= 180^\circ - (\angle Z + \angle X)\\ &= 180^\circ - (54^\circ + 77^\circ)\\ &= 180^\circ - 131^\circ\\ &= 49^\circ\end{aligned}$$

(3)



$$\begin{aligned}\angle A &= 180^\circ - (\angle B + \angle C)\\ &= 180^\circ - (49^\circ + 79^\circ)\\ &= 180^\circ - 128^\circ\\ &= 52^\circ\end{aligned}$$