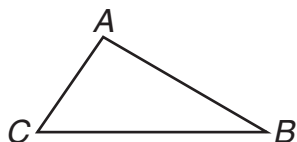


SKILL
30

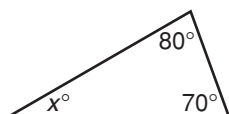
Skills Readiness
Triangle Sum Theorem

Triangle Sum Theorem: The sum of the measures of the angles of a triangle is 180° .



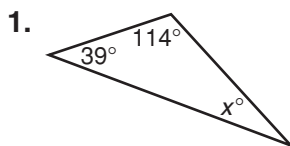
$$m\angle A + m\angle B + m\angle C = 180^\circ$$

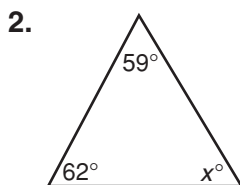
Example: Find the value of x .

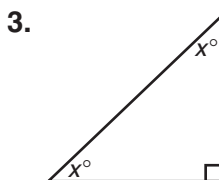


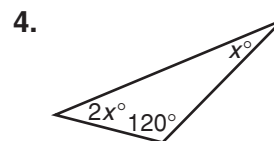
$$\begin{aligned} \text{Answer: } 80^\circ + 70^\circ + x^\circ &= 180^\circ \\ 150^\circ + x^\circ &= 180^\circ \\ x^\circ &= 180^\circ - 150^\circ \\ x^\circ &= 30^\circ \end{aligned}$$

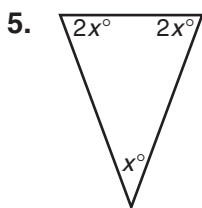
Practice on Your Own
Find the value of x .

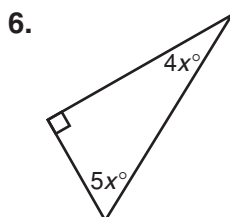


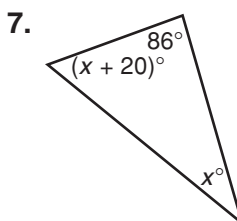


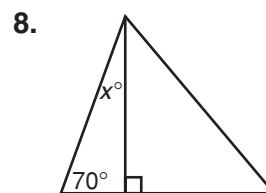












Check
Find the value of x .

