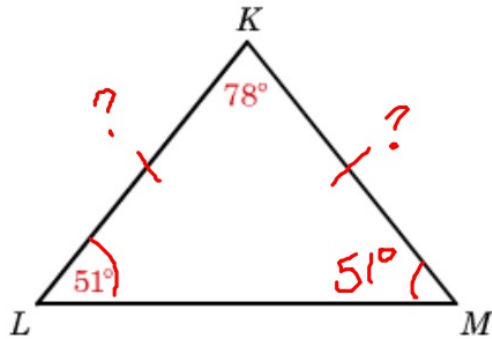


4.5 Review - Warm - up

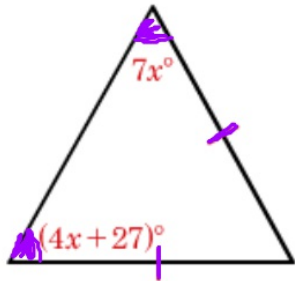
1. Is $\overline{KL} \cong \overline{KM}$? Explain.



$$\begin{aligned} 51 + 78 + m &= 180 \\ 129 + \angle m &= 180 \\ -129 &\quad -129 \\ \hline \angle m &= 51 \end{aligned}$$

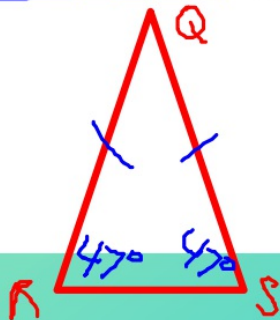
Yes! Base Angles are Congruent

2. Solve for x.



$$\begin{aligned} 7x &= 4x + 27 \\ -4x &\quad -4x \\ \hline 3x &= 27 \\ \frac{3x}{3} &= \frac{27}{3} \quad \boxed{x=9} \end{aligned}$$

3. Isosceles triangle QRS has base \overline{RS} and $m\angle R = 47$. What is $m\angle Q$?



$$\begin{aligned} 47 + 47 + \angle Q &= 180 \\ 94 + \angle Q &= 180 \\ -94 &\quad -94 \\ \hline \angle Q &= 86 \end{aligned}$$