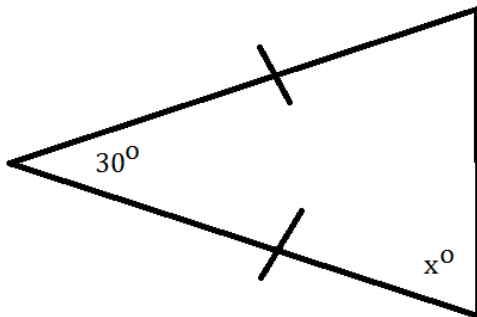


Isosceles Triangle Theorem

Two _____ of a Δ are \cong
 if and only if
 the two opposite _____ are \cong .

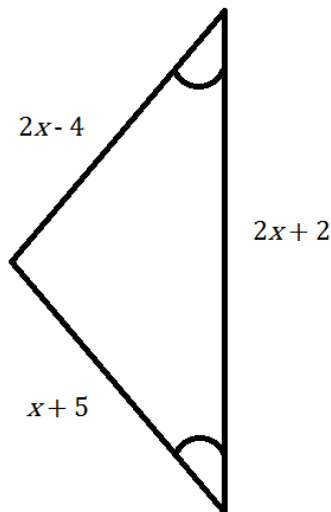
Example 1

Find the value of x . (Hint: What can you put in the diagram because there are two sides already marked as \cong ?)



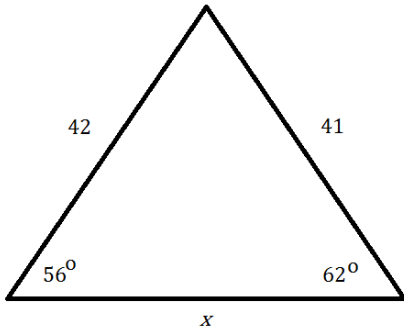
Example 2

Find the value of x . (Hint: What can you put in the diagram because there are two angles already marked as \cong ?)

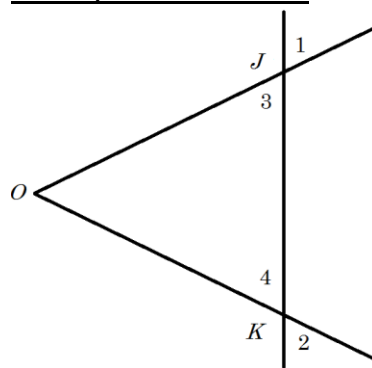


Example 3

Find the value of x . (Hint: What extra information can you calculate based on the diagram ?)



Example 4 – PROOF



Given: $\angle 1 \cong \angle 2$

Prove: $\overline{OK} \cong \overline{OJ}$

