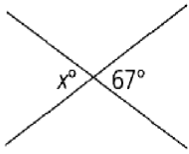
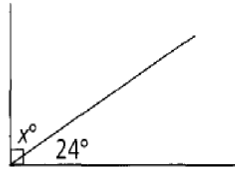


1 Find the value of x . Give reasons.

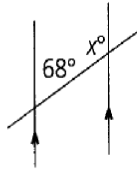
a



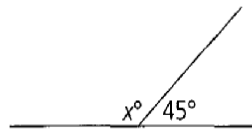
b



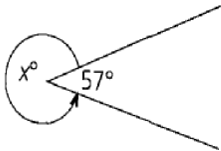
c



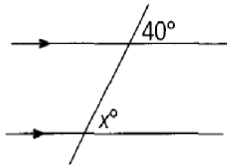
d



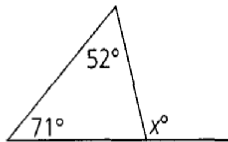
e



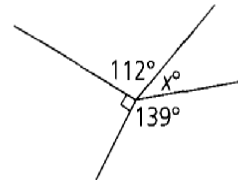
f



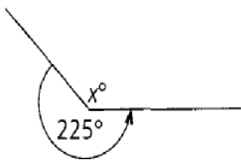
g



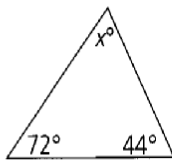
h



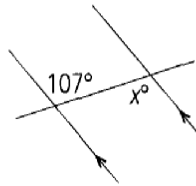
i



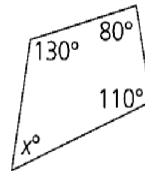
j



k

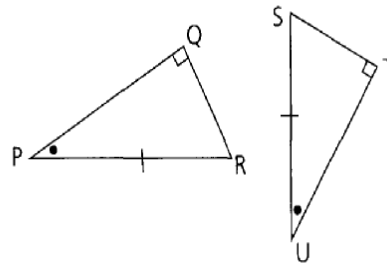


l



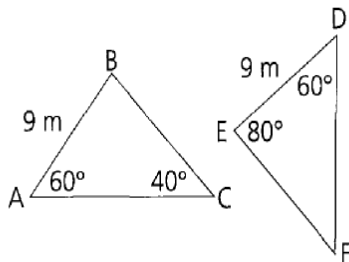
2 $\triangle PQR \cong \triangle UTS$

- Which test shows that the triangles are congruent?
- Which side corresponds to PQ?
- Which side corresponds to RP?
- Which angle corresponds to $\angle R$?

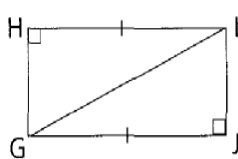


3 Determine whether the given pair of triangles is congruent. If they are congruent which test shows this?

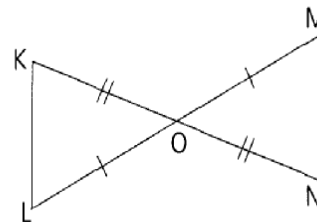
a $\triangle ABC$ and $\triangle DEF$



b $\triangle GHI$ and $\triangle IJG$

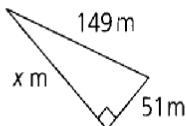


c $\triangle KOL$ and $\triangle NOM$
(KN and LM are straight lines)

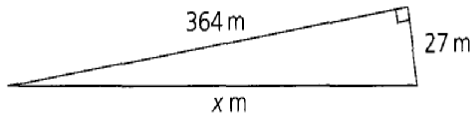


4 Find the value of x .

a



b



5 A triangle has sides measuring 112 mm, 3137 mm and 3135 mm. Is the triangle right-angled?