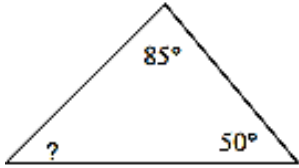


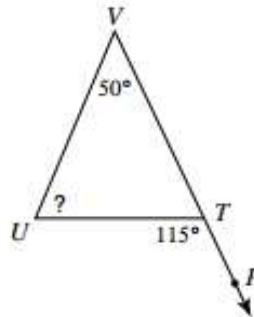
## Unit 4 Triangle Congruence Study Guide

### Basics of Triangles

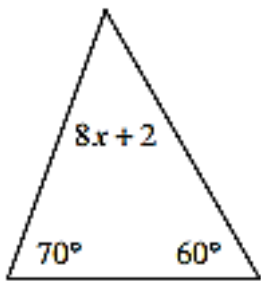
1. Solve for the missing angle measure.



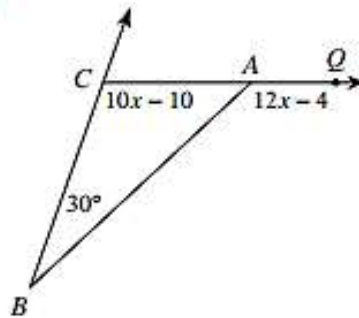
2. Solve for the missing angle measure.



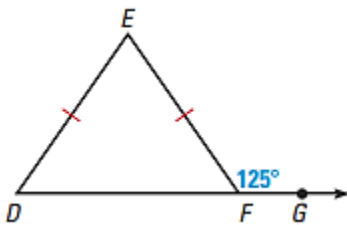
3. Solve for x.



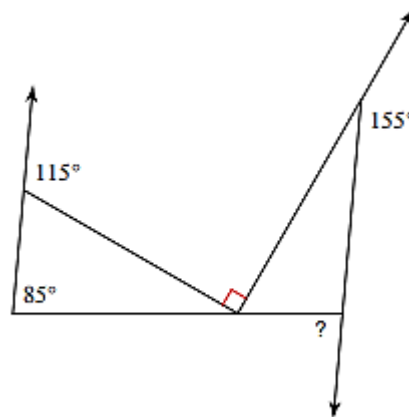
4. Solve for x.



5. What is the measure of angle E?



6. Find the measure of the missing angle.



**TRIANGLE CONGRUENCE**

7. Name the three corresponding angles:

$$\triangle WAT \cong \triangle TRF$$

8. Name the three corresponding sides:

$$\triangle ANG \cong \triangle CSW$$

9. Name the following angles or sides that are congruent to the stated angle or side.

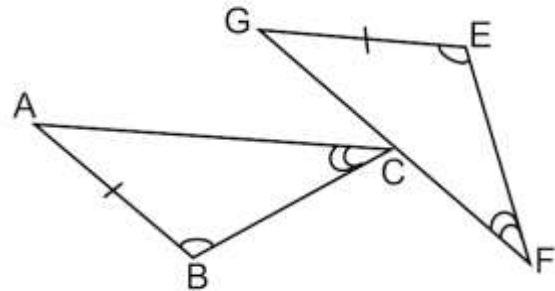
a.  $\angle A$

b.  $\angle BCA$

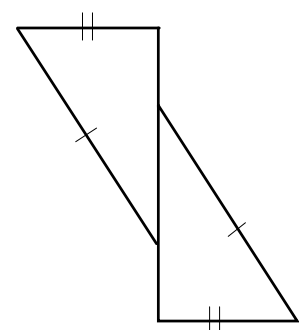
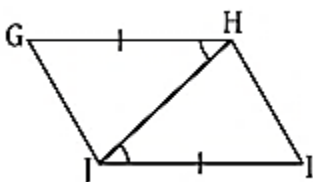
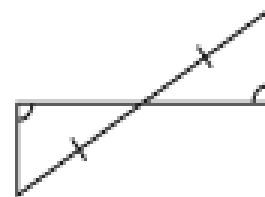
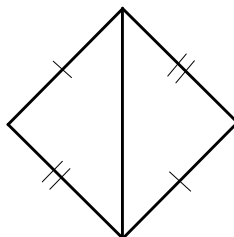
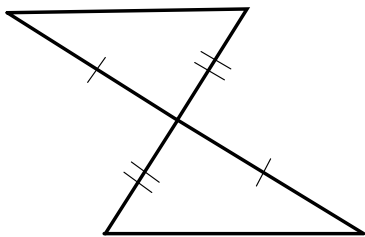
c.  $\overline{AC}$

d.  $\angle F$

e.  $\angle GEF$



10. If so, determine how the following triangles are congruent:

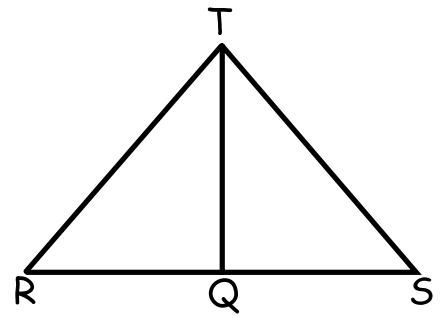




14. Write a two column proof for the following:

Given:  $RT \cong TS, TQ \perp RS$

Prove:  $RQ \cong QS$



Statement	Reason