

Name:

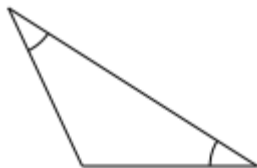
Date:

Period:

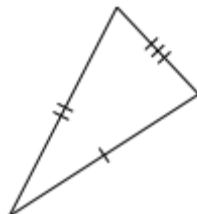
HW #5-6: Quiz Review

1. Classify each triangles first by its sides, then by its angles.

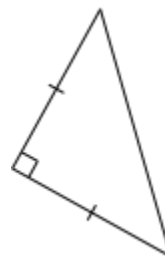
a.



b.



c.



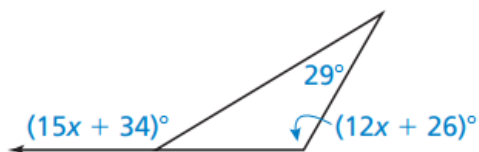
2. Given the congruence statement, identify the corresponding parts.

$$\triangle ZOA \cong \triangle XOY$$

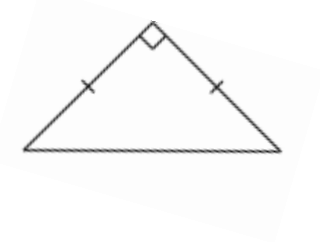
a. $\overline{OX} \cong$ _____

b. $\angle Z \cong$ _____

3. Find the value of x in the diagram given.

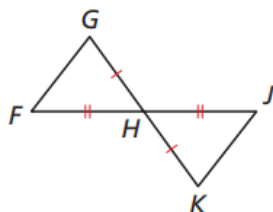


4. Identify the legs and the base of the isosceles triangle.

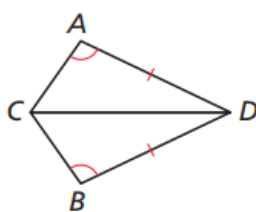


5. Decide whether there is enough information to prove that the triangles are congruent. If they are, write a congruence statement and name the theorem used to prove the triangles are congruent.

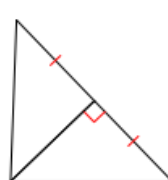
a.



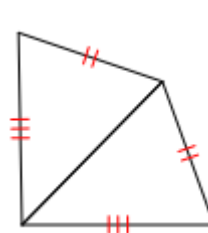
b.



c.



d.

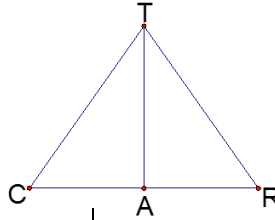


6. Write a proof.

Given: $\triangle CTR$ is isosceles with base $\overline{CR}$

A is the midpoint of $\overline{CR}$

Prove: $\triangle CAT \cong \triangle RAT$



Statements

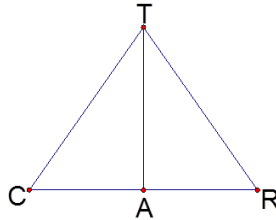
Reasons

7. Write a proof.

Given: $\overline{CT} \cong \overline{RT}$

$\overline{AT} \perp \overline{CR}$

Prove: $\triangle CAT \cong \triangle RAT$



Statements

Reasons