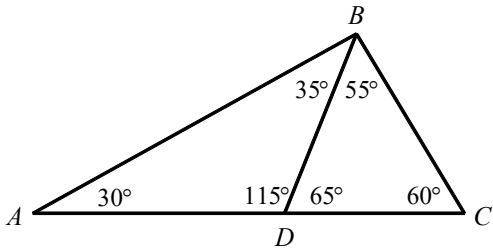


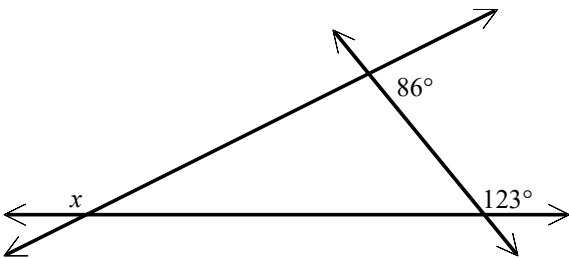
Geometry
Chapter 5 Test Review

1. Name a right triangle.

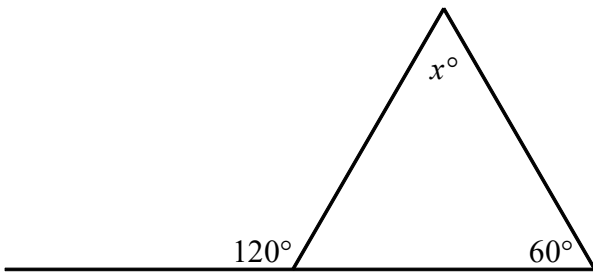


2. Draw and identify a triangle with angle measures of 45° , 45° , and 90° .

3. Find the value of x .

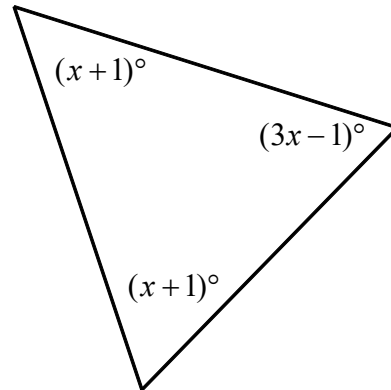


4. Find the value of x .

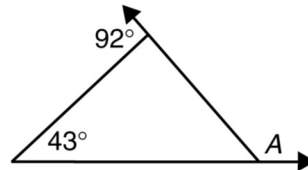


5. $\triangle JKL$ is isosceles with vertex $\angle J$. Find the $m\angle K$ if the $m\angle J = 42$.

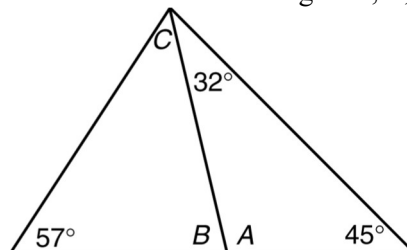
6. Find the measure of the interior angles to the nearest tenth. (Drawing is not to scale.)



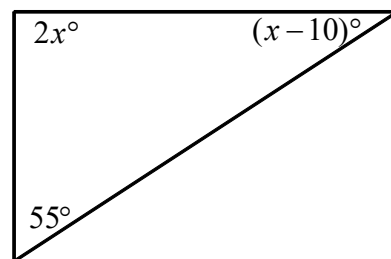
7. Find the measure of $\angle A$ below.



8. Find the measures of angles A , B , and C .



9. Use the figure below to find the measure of each angle.



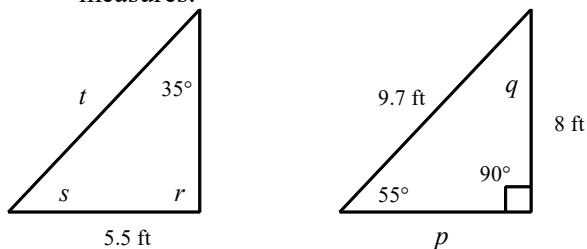
10. If $\angle P \cong \angle Q$ and $m\angle Q = 67^\circ$, then $m\angle P = \underline{\hspace{2cm}}$.

11. If $\triangle RPQ \cong \triangle JKL$, then $\overline{LJ} \cong$ _____.

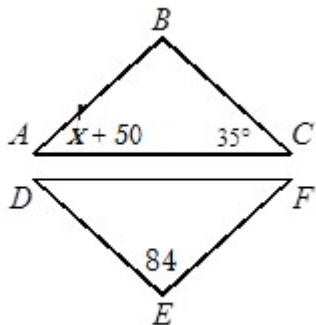
12. Given: $\triangle LMN \cong \triangle UVW$. Complete the statements.

A. $\overline{UW} \cong$ _____ B. $\angle LMN \cong$ _____

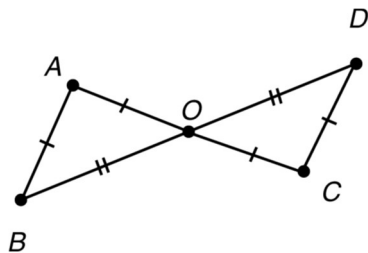
13. The two triangle-shaped gardens are congruent. Find the missing side lengths and angle measures.



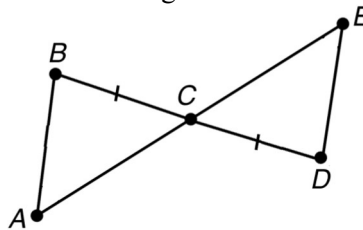
14. In the diagram, $\triangle ABC \cong \triangle FED$ Find the value of x .



15. State the postulate(s) or theorem(s) that can be used to conclude that $\triangle OCD \cong \triangle OAB$.

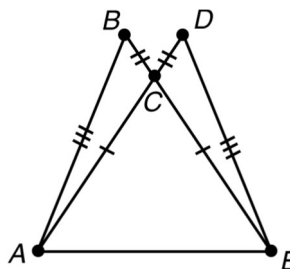


16. What must be true in order for $\triangle ABC \cong \triangle EDC$ by the SAS Congruence Postulate?

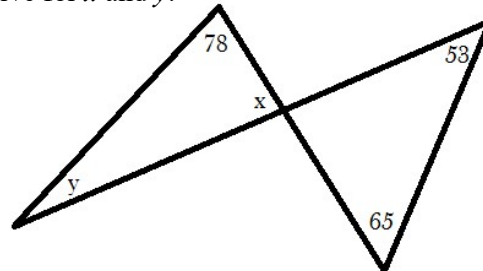


17. Refer to the figure below.

$\triangle ABC \cong$ _____ by _____ or _____

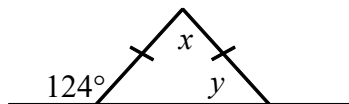


18. Solve for x and y .

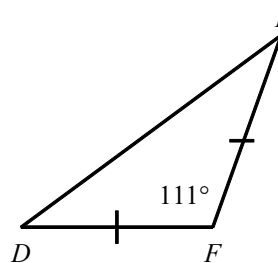


19. In $\triangle ABC$, if $\overline{AB} \cong \overline{BC}$ and $m\angle A = 39^\circ$, then $m\angle C =$ _____.

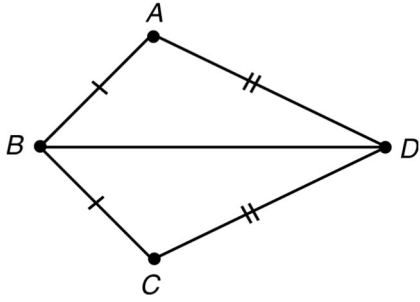
20. Find the values of x and y .



21. Use information in the figure below to find $m\angle D$.

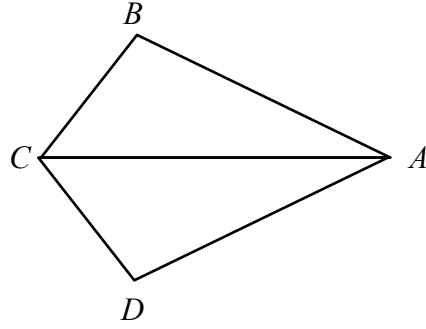


22. Given: $\overline{BC} \cong \overline{BA}$
 $\overline{CD} \cong \overline{AD}$
 Prove: $\triangle ABD \cong \triangle CBD$

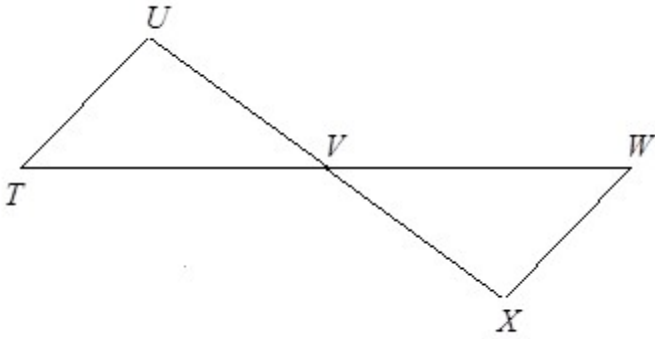


25. Given: $\angle DCA \cong \angle BCA$, $\angle B \cong \angle D$

Prove: $\overline{AB} \cong \overline{AD}$



23. Given that $\overline{TV} \cong \overline{WV}$, determine what additional information is needed to prove the triangles are congruent by SAS.



24. Given: \overline{BD} bisects $\angle ABC$, $\overline{AB} \cong \overline{BC}$
 Prove: $\overline{AD} \cong \overline{CD}$

