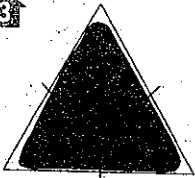


Draw a triangle that satisfies each set of conditions. Then classify the triangle. (Example 1)

1. a triangle with three acute angles and three congruent sides

2. a triangle with one right angle and no congruent sides

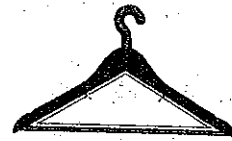
Classify the marked triangle by its angles and by its sides.



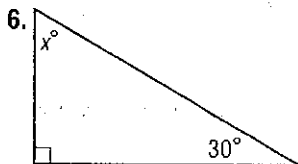
4.



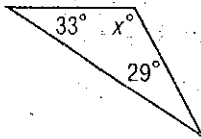
5.



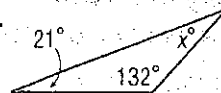
Find the value of x .



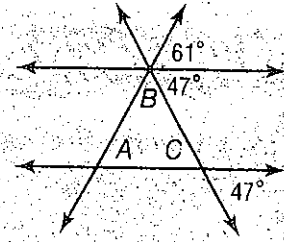
7.



8.



9. Triangle ABC is formed by two parallel lines and two other intersecting lines. Find the measure of each angle A, B, and C of the triangle.

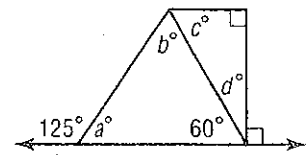


$\angle A = \underline{\hspace{2cm}}$

$\angle B = \underline{\hspace{2cm}}$

$\angle C = \underline{\hspace{2cm}}$

10. **CCSS Persevere with Problems** Apply what you know about triangles to find the missing angle measures in the figure.



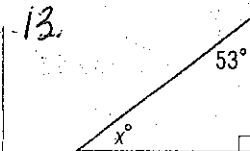
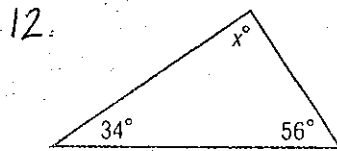
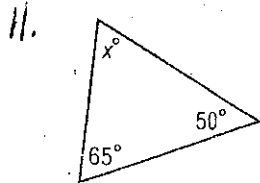
$\angle a = \underline{\hspace{2cm}}$

$\angle b = \underline{\hspace{2cm}}$

$\angle c = \underline{\hspace{2cm}}$

$\angle d = \underline{\hspace{2cm}}$

Find the value of x.



CCSS Reason Abstractly Find the value of x in each triangle.

