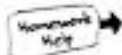


Extra Practice

Classify the marked triangle in each object by its angles and by its sides.

15.



The triangle has all acute angles and two congruent sides. It is an acute isosceles triangle.

16.



obtuse isosceles

17.



right scalene

Draw a triangle that satisfies each set of conditions. Then classify the triangle.

18. a triangle with three acute angles and no congruent sides acute scalene

Sample answer:



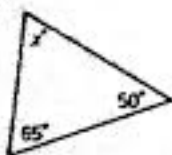
19. a triangle with one obtuse angle and two congruent sides obtuse isosceles

Sample answer:



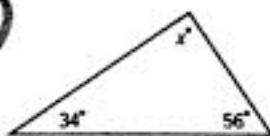
Find the value of x .

20.



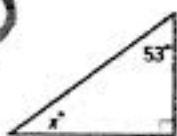
65

21.



90

22.



37

23. Find $m\angle O$ in $\triangle QRS$ if $m\angle R = 25^\circ$ and $m\angle S = 102^\circ$. 53°

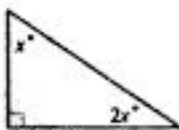
Reason Abstractly Find the value of x in each triangle.

24.



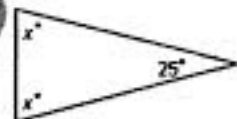
60

25.



30

26.



77.5