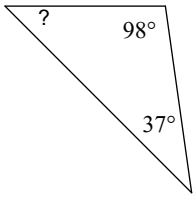
Sum of Angles, Isosceles and Equilateral Triangles

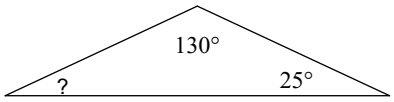
Date_____

Find the measure of each angle indicated.

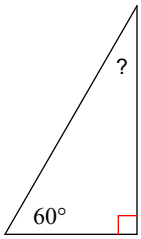
1)



2)

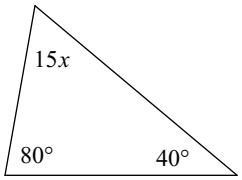


3)

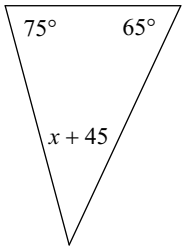


Solve for *x*.

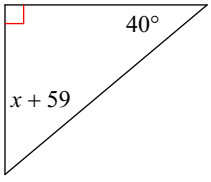
4)



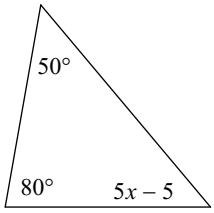
5)



6)



7)



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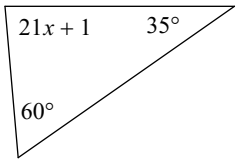
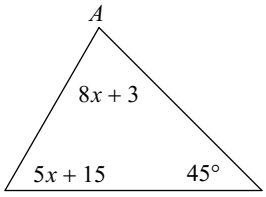
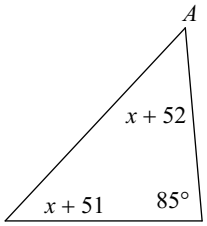


Find the measure of angle A.

9)

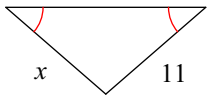


10)

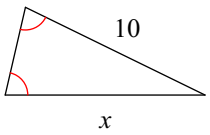


Find the value of *x*.

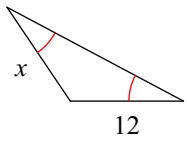
11)



12)



13)



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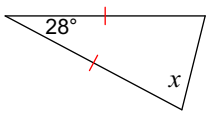
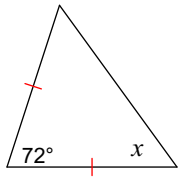


15)



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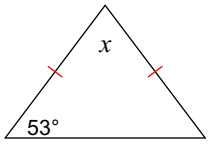
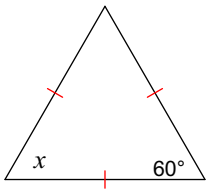
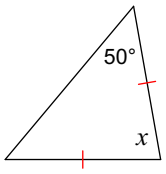


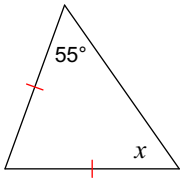
17)



18)



19)



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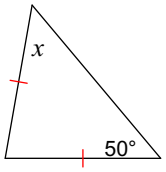
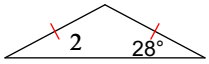
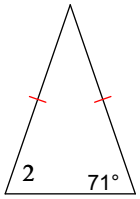


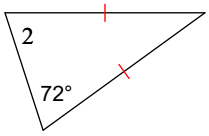
21) $m\angle 2 = 2x + 4$



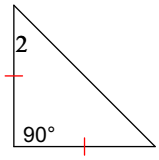
22) $m\angle 2 = 6x + 5$



23) $m\angle 2 = 6x$



24) $m\angle 2 = 3x + 9$



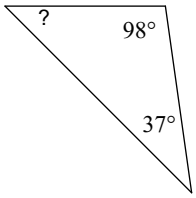
Geometry Name_____ ID: 1

Sum of Angles, Isosceles and Equilateral Triangles

Date_____

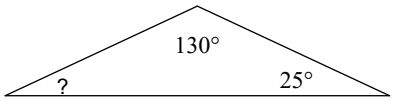
Find the measure of each angle indicated.

1)



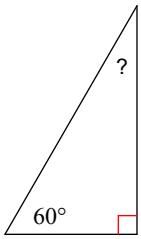
45°

2)



25°

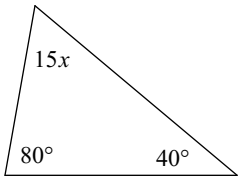
3)



30°

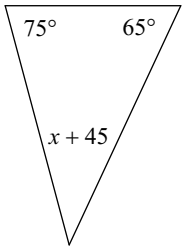
Solve for *x*.

4)



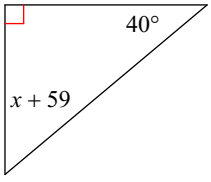
4

5)



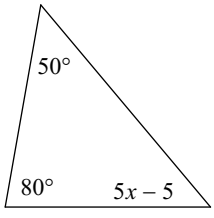
–5

6)

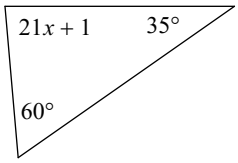


–9

7)

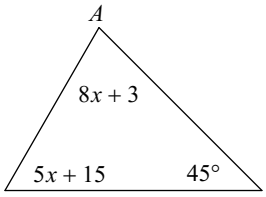


11

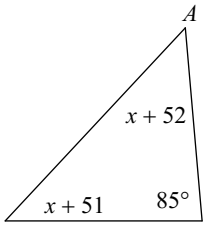
8) 

4

Find the measure of angle A.

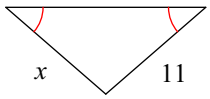
9) 

75°

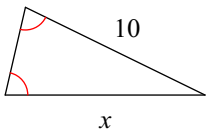
10) 

48°

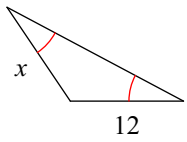
Find the value of *x*.

11) 

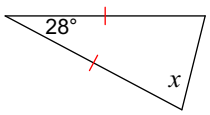
11

12) 

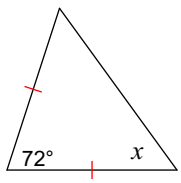
10

13) 

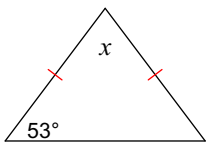
12

14) 

76°

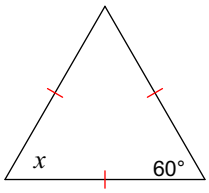
15) 

54°

16) 

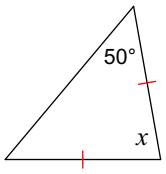
74°

17)



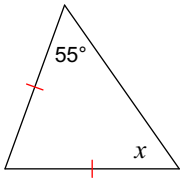
60°

18)



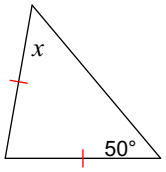
80°

19)



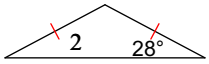
55°

20)



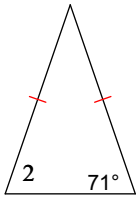
50°

21) $m\angle 2 = 2x + 4$



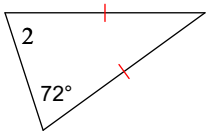
12

22) $m\angle 2 = 6x + 5$



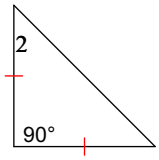
11

23) $m\angle 2 = 6x$



12

24) $m\angle 2 = 3x + 9$



12