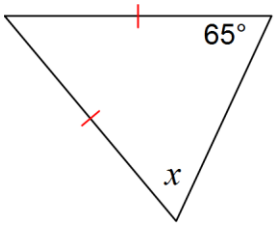
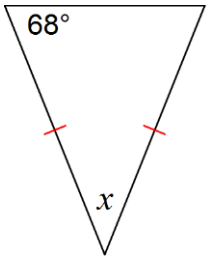
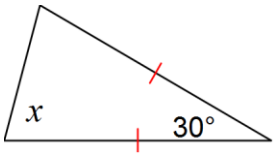
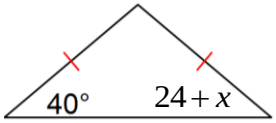
Name _____ **Hour** _____

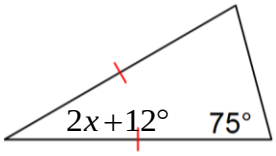
Find the value of *x*.

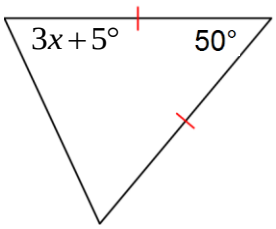
1. 

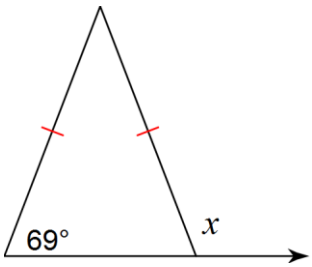
2. 

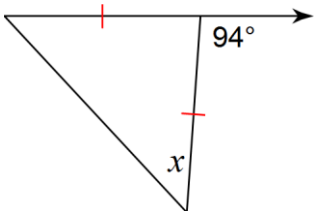
3. 

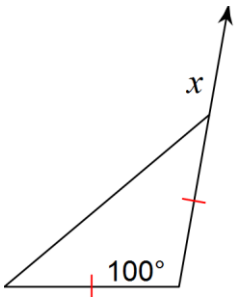
4. 

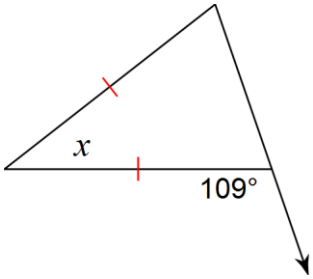
5. 

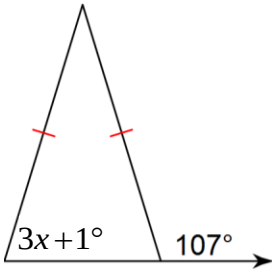
6. 

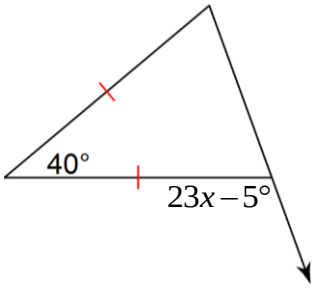
7. 

8. 

9. 

10. 

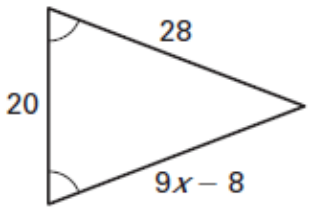
11. 

12. 

Triangles #4

Find the value of *x*.

13.



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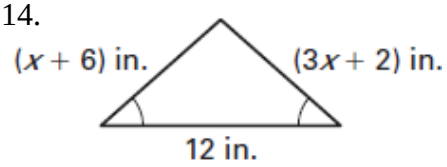

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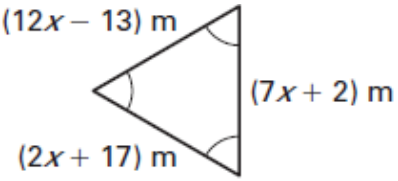
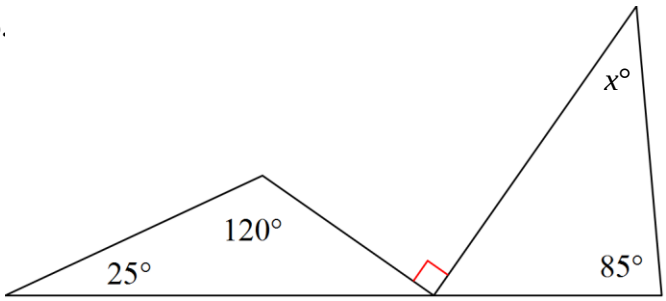
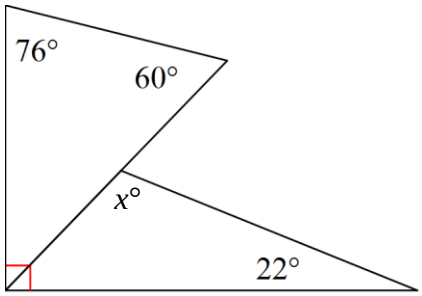


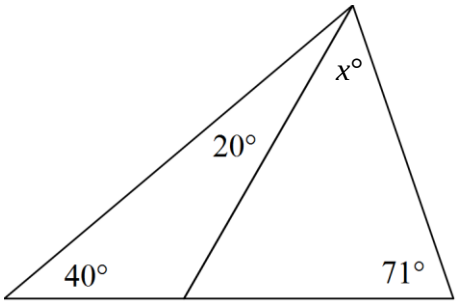
16.



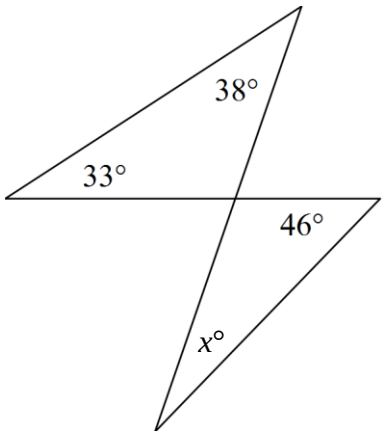
17.



18.



19.



Is it possible to construct a triangle with the given side lengths? If you can form a triangle with the given side lengths, classify the triangle as *acute*, *right*, or *obtuse*.

20. 16, 7, 12

21. 29, 36, 22

22. 3, 5, $\sqrt{65}$

23. 13, $\sqrt{51}$, 17

24. $4\sqrt{61}$, 20, 24

25. 18, $2\sqrt{10}$, 11