Isosceles, Equilateral and Right Triangles

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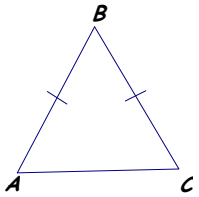
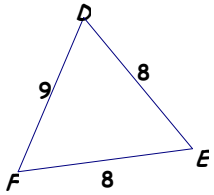
1. How many sides need to be congruent if the triangle is isosceles?

2. Classify the following triangle by its sides.



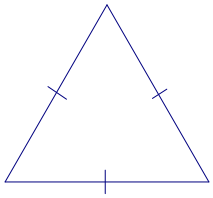
3. Classify the following triangle by its sides



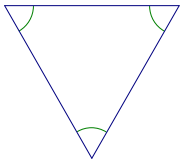
4. How many sides need to be congruent if the triangle is equilateral?

5. How many angles will be congruent if a triangle is scalene?

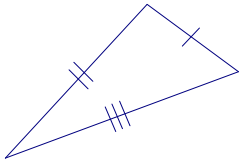
6. Classify the following triangle by its sides.



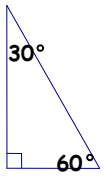
7. Classify the following triangle by its sides.



8. Classify the following triangle by its sides.



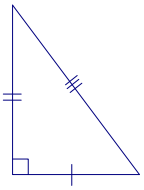
9. Classify the following triangle by its angles.



10. Given the dimensions of a triangle are 6, 8, 8 classify the triangle by its sides.

A. equilateral
B. isosceles
C. scalene
D. equiangular

11. Given the following triangle classify it by angles and sides.



A. right isosceles
B. obtuse isosceles
C. acute scalene
D. right scalene

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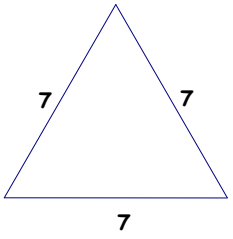
12. Classify the following triangle by its sides.



A. right B. equilateral
C. scalene D. isosceles

13. How many angles will be congruent if a triangle is equilateral?

A. 1 B. 2
C. 3 D. none

14. True/False. There can be more than one right angle in a triangle.

15. **Given**: $\overline{AC} \perp \overline{CB}$
Prove: ΔABC is a right triangle.