

Name _____

1) A _____ triangle has no equal sides. All of its sides are different lengths.

2) A _____ triangle has one 90 degree angle. This angle is called a right angle.

3) An _____ triangle has three angles less than 90 degrees. All of its angles are acute.

4) An _____ triangle has two equal sides. Two of its sides are congruent; the third side is a different length.

5) An _____ triangle has one angle greater than 90 degrees. This is called an obtuse angle.

6) An _____ triangle has three equal sides. All of its sides are congruent. This means they are the same length.

A regular hexagon has sides totaling 72 inches in length. What is the length of 1 side?

- a. 6 b. 7 c. 12 d. 24

A regular octagon has sides totaling 48 inches in length. What is the length of 1 side?

- a. 8 b. 6 c. 12 d. 7

13) Congruent means:

- a) having different measurements
- b) having the same measurements

14) Incongruent means:

- a) having the same measurements
- b) having different measurements

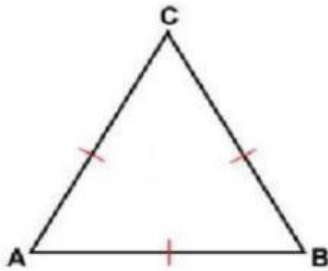
15) Congruent sides and angles will have:

- a) the same number of lines or arcs on them
- b) different numbers of lines or arcs on them

16) incongruent sides and angles will have:

- c) different numbers of lines or arcs on them
- d) The same numbers of lines or arcs on them

17) The congruency marks on triangle ABC mean:

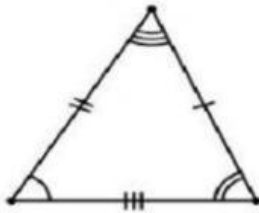


- a) all three sides are incongruent
- b) just two sides are congruent
- c) All three sides are congruent

18) If all three sides are congruent, triangle ABC is a(n) _____ triangle.

- a) scalene
- b) right
- c) equilateral

19) In the triangle below, the congruency marks show that:

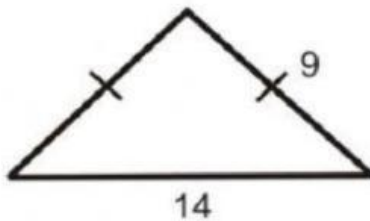


- a) all sides and angles are incongruent
- b) some sides and angles are congruent
- c) all sides and angles are congruent

20) If all three sides and angles are incongruent, it is a(n) _____ triangle.

- d) scalene
- e) acute
- f) obtuse

21) In the triangle below, the right side measure is 9 so the left side measure is:

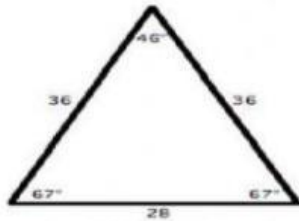


- a) also 9
- b) 14
- c) cannot be determined by the information given

22) Since the triangle above has two congruent sides, it is a(n) _____ triangle.

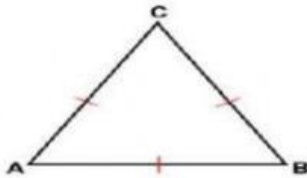
- a) equilateral
- b) right
- c) isosceles

23) In the triangle below, you can tell from the number measurements that:



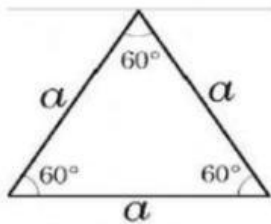
- a) all sides and angles are congruent
- b) two sides are congruent
- c) two angles are congruent
- d) both b and c are correct

24) If side AC of the triangle below measures 11 inches then:



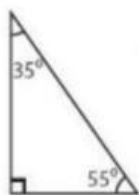
- a) sides CB and AB do not measure 11 inches
- b) sides CB and AB also measure 11 inches
- c) cannot be determined from the information given

25) On the triangle below, the letter a is used to represent the measure of the sides instead of congruency marks. Since all sides have the same letter, this means that:



- a) all sides have the same measure
- b) all sides have different measures
- c) cannot be determined from the information given

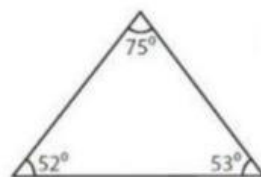
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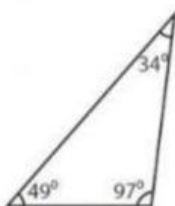
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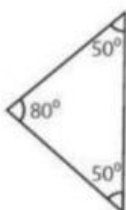
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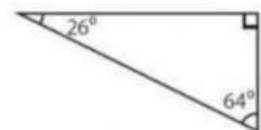
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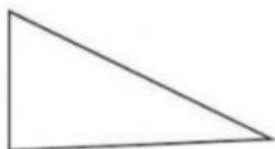
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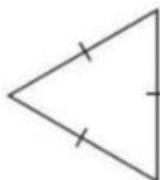
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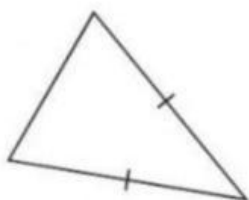
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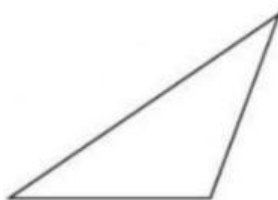
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