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

LIVEWORKSHEETS

13) Congruent means:

a) having different measurements
b) having the same measurements

14) Incongruent means:

a) having the same measurements
b) having different measurements

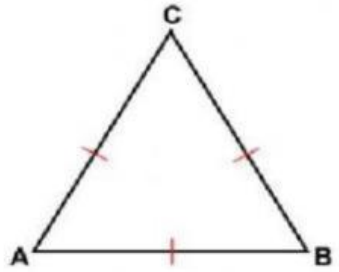
15) Congruent sides and angles will have:

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:



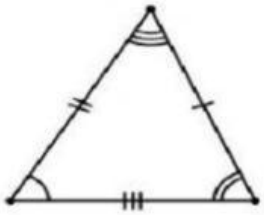
a) all three sides are incongruent
b) just two sides are congruent
c) All three sides are congruent

LIVEWORKSHEETS

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:

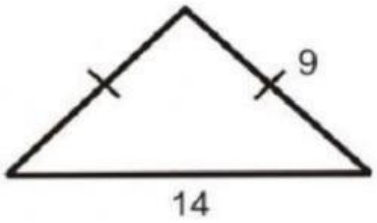


a) all sides and angles are incongruent
b) some sides and angles are congruent
c) all sides and angles are congruent

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:



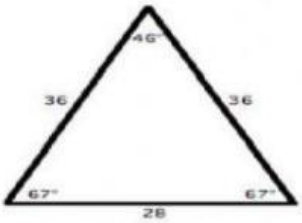
a) also 9
b) 14
c) cannot be determined by the information given

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

a) equilateral
b) right
c) isosceles

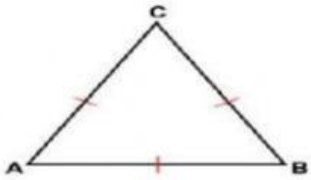
LIVEWORKSHEETS

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



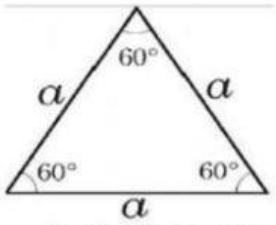
a) all sides and angles are congruent
b) two sides are congruent
c) two angles are congruent
d) both b and c are correct

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

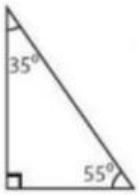
25) On the triangle below, the letter a is used to represent the measure of the sides instead of congruency marks. Since all sides have the same letter, this means that:



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

LIVEWORKSHEETS

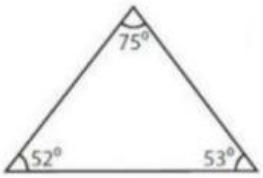
4)



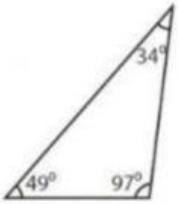
5)



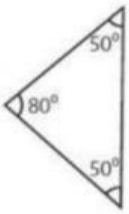
6)



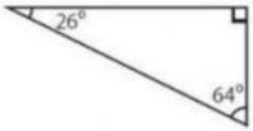
7)



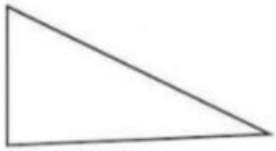
8)



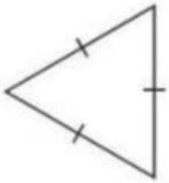
9)



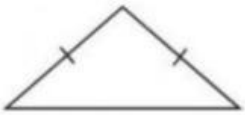
4)



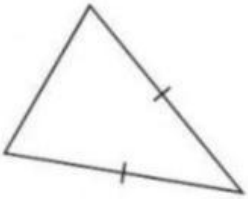
5)



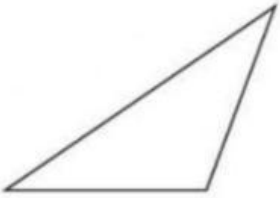
6)



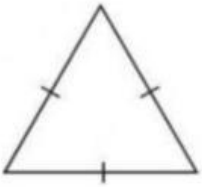
7)



8)



9)



LIVEWORKSHEETS