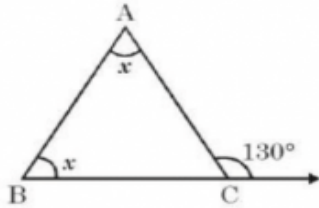
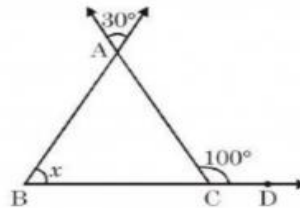


TRIANGLE AND ITS PROPERTIES

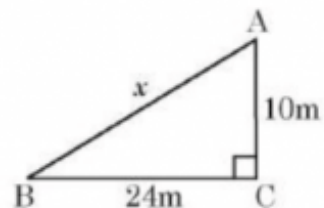
1. Find the value of x in the given figures:



(a)

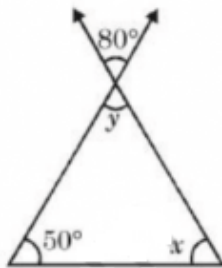


(b)



(c)

2. Find the value of x and y in the given figure:



3. Which is the longest side in the triangle ABC right angled at B?

- (a) AB (b) BC (c) AC

4. In a $\triangle ABC$, which of the given condition holds?

- (a) $AB - BC > CA$
(b) $AB + BC < BC$
(c) $AB - BC < BC$
(d) $AB + CA < BC$

5. Is it possible to have a triangle with the following sides?

- (a) 4cm, 5 cm, 6cm
(b) 2.5 cm, 3cm, 3.5cm

6. One of the angles of a triangle is 70° and the other two angles are equal. Find the measure of two angles.

7. The angles of a triangle are in the ratio 1:2:3. Determine measure of all the angles.

8. Two sides of a triangle are 10cm and 15cm. What will be the maximum length of third side?

9. Find the perimeter of a rectangle with length 24 cm and diagonal 25cm.

10. Determine whether the triangle whose lengths of sides are 3cm, 4cm, 5cm is a right-angled triangle.