Name: _____   Date :
Class: 7   Div: _____   Subject: Math
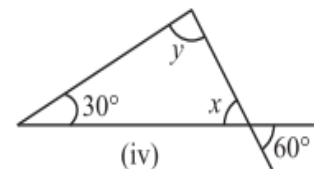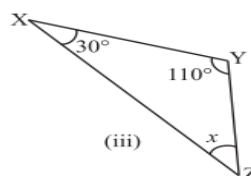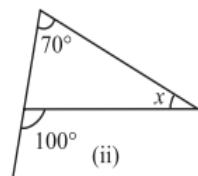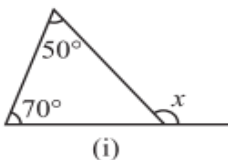Prepared By: Ms. Snehal Devake   Ch 6 – The Triangle And Its Properties

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Q.1) Choose the correct option.

1) How many medians a triangle can have?
   (a) 2   (b) 1   (c) 3   (d) 0

2) How many altitude can a triangle have?
   (a) 1   (b) 2   (c) 3   (d) 4

3) A triangle in which all three sides are of equal lengths is called ……………. .
   (a) Equilateral   (b) Isosceles   (c) Scalene   (d) Acute angled triangle

4) Which is the longest side in the triangle PQR right angled at P?
   (a) PQ   (b) QR   (c) PR   (d) none of these

5) Which is the longest side of a right triangle?
   (a) perpendicular   (b) base   (c) hypotenuse   (d) none of these

6) How many acute angles can a right triangle have?
   (a) 1   (b) 2   (c) 3   (d) 0

7) What are the properties of a triangle?
   (a) simple closed shape   (b) 3 vertices   (c) 3 angles   (d) All of them

8) A _____ connects a vertex of a triangle to the mid point of opposite sides.
   (a) side   (b) angle   (c) vertex   (d) median

9) Can we form an exterior angle on every vertex of a triangle?
   (a) No   (b) Yes   (c) Might be   (d) None of them

10) Can you have a triangle with all the angles less than 60 ?
   (a) No   (b) Yes   (c) Might be   (d) Can't say

11) The sum of the lengths of any two sides of a triangle is_____than the 3rd side of triangle.
   (a) less   (b) equal   (c) more   (d) None of them

Q.2) Is it possible to have a triangle with the following sides?
   a) 6 cm, 8 cm, 12 cm   b) 8 cm, 4 cm, 3 cm

Q.3) Find the value of x and y using suitable property:

Q.4) ABCD is a quadrilateral. Is AB + BC + CD + DA > AC + BD?
Q.5) Find the perimeter of the rectangle whose length is 40 cm and a diagonal is 41 cm.
Q.6) The diagonals of a rhombus measure 16 cm and 30 cm. Find its perimeter.
Q.7) PQR is a triangle, right-angled at P. If PQ = 10 cm and PR = 24 cm, find QR.

   CLASS TEACHER   **HOD**   **CO-ORDINATOR**   **PRINCIPAL**