



INDIAN SCHOOL NIZWA - WORKSHEET

MATHEMATICS

CH: 6 : The Triangle and its properties

Name: _____

Date: _____

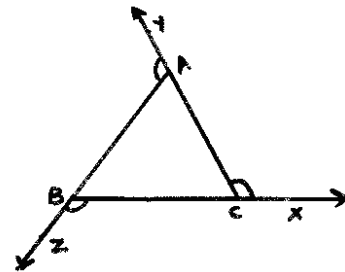
Class: VII Sec: _____

FILL IN THE BLANKS

- (i) The six parts, namely three sides and three angles of a triangle taken together are called the six__of the triangle.
- (ii) In a triangle an_____angle equals the sum of the two interior opposite angles.
- (iii) The sum of any two sides of a triangle is_____than the third side.
- (iv) In a triangle if two angles are 30° and 60° then the third angle is_____
- (v) The figure formed by the three line segments by joining three non-collinear points in pairs is called a__.

Q.1 In figure, the sides of ΔABC are produced in order. Complete each of the statements given below:-

- (i) $\angle ACX = \angle CAB +$ _____
- (ii) $\angle BAY =$ _____ $+$ _____
- (iii) $\angle CBZ =$ _____ $+$ _____

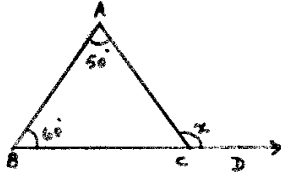


Q.2 In the given figures below, the measures of some angles are given. Find the values of x and y.

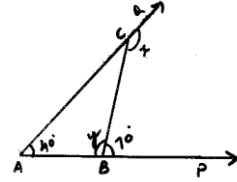


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nd y :



(i)



(ii)

Q.Match the following:-

A

- (i) A triangle having no two sides equal
- (ii) A triangle having two sides equal
- (iii) A triangle having all sides equal
- (iv) A triangle all of whose angles are acute.
- (v) A triangle one of whose angles is a right angle.
- (vi) A triangle one of whose angle is obtuse.

B

- (a) Right angled triangle
- (b) Acute angled triangle
- (c) Scalene triangle
- (d) Obtuse angled triangle
- (e) Equilateral triangle
- (f) Isosceles triangle