ST. LAWRENCE HIGH SCHOOL
A JESUIT CHRISTIAN MINORITY INSTITUTION

Sub: Algebra and Geometry **Class: 7** **Date: 25.04.20**
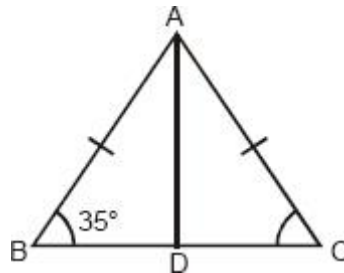**Duration: 40 min** **Worksheet Solution 11** **Full Marks: 15**
TRIANGLES

Choose the Correct options:

1. Choose the correct statement
  A. a triangle has two right angles
  B. all the angles of a triangle are more than 60°
  C. an exterior angle of a triangle is always greater than the opposite interior angles

2. In a triangle PQR if ∠QPR = 80° and PQ = PR, then ∠R and ∠Q are
  A. 80°, 80°
  B. 70°, 80°
  C. 50°, 50°

3. In the given figure, AD is the median then ∠BAD is

  A. 35°
  B. 110°
  C. 55°

4. How many altitudes can a triangle have?
A. 1
B. 2
C. 3

5. A ——— connects a vertex of a triangle to the mid-point of the opposite side.
A. Altitude
B. Median
C. Opposite side

6. An ———- angle of a triangle is equal to the sum of its interior opposite angles.
A. Exterior angle
B. Interior angle
C. Adjacent angle

7. The total measure of the three angles of a triangle is ————
A. 90
B. 180
C. 360

8. If the two angles of a triangle are 50 degree and 70 degree, then the measure of third angle is _____
A. 50
B. 60
C. 70

9. The sum of the lengths of any two sides of a triangle is ——— than the third side.
A. greater than
B. less than
C. equal to

10. In a right angled triangle, if one angle is 45 degree then the measure of the third angle is ——
——-
A. 90
B. 45
C. 180

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11. In a triangle if all angles are equal, then the measure of each angle is ———-
A. 45
B. 60
C. 90
12. Which is the longest side of a right angle?
A. altitude
B. hypotenuse
C. legs
13. The perpendicular line segment from a vertex of a triangle to its opposite side is called an —— of the triangle.
A. altitude
B. median
C. base
14. Which of the following can be the sides of a right triangle.
A. 3cm, 4cm, 5cm
B. 2.5cm, 6cm, 1.5cm.
C. 5cm, 6cm, 7cm
15. The perpendicular line segment from a vertex of a triangle to its opposite side is called
A. Median
B. Base
C. Altitude