



# ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION



## CLASS 8

**SUBJECT :Algebra andGeometryWork sheet16**

**Marks:15TRIANGLES**

**Date:8.3.21**

Answer all the following questions(1×15=15)

1. How many altitudes can a triangle have?

- A. 1
- B. 2
- C. 3

2. A ——— connects a vertex of a triangle to the mid-point of the opposite side.

- A. Altitude
- B. Median
- C. Opposite side

3. An ———- angle of a triangle is equal to the sum of its interior opposite angles.

- A. Exterior angle
- B. Interior angle
- C. Adjacent angle

4. The total measure of the three angles of a triangle is ————

- A. 90
- B. 180
- C. 360

5. 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

6. A triangle in which all the three sides are of equal lengths is called an —————

- A. Equilateral triangle
- B. Scalene triangle
- C. Isosceles triangle

7. A triangle in which two sides are of equal lengths is called an \_\_\_\_\_

- A. Scalene triangle
- B. Equilateral triangle
- C. Isosceles triangle

8. 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

9. In a right angled triangle, the side opposite to the right angle is called the \_\_\_\_\_

- A. leg
- B. hypotenuse
- C. altitude

10. The difference between the lengths of any two sides is \_\_\_\_\_ than the length of the third side.

- A. greater than
- B. less than
- C. altitude

11. 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

12. In a triangle if all angles are equal, then the measure of each angle is \_\_\_\_\_

- A. 45
- B. 60
- C. 90

13. If the Pythagoras property holds, the triangle must be \_\_\_\_\_

- A. right angled
- B. acute angled
- C. obtuse angled

14. Which is the longest side of a right angle?

- A. altitude
- B. hypotenuse
- C. legs

15. 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

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