



# ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION



**Sub: Algebra and Geometry**

**Class: 7**

**Date: 14.11.20**

**Duration: 40 min**

**Worksheet Solution 03**

**Full Marks: 15**

## **Polygon**

**Choose the Correct options:**

1. The plane with six edges as its sides is called
  - a. quadrilateral
  - b. pentagon
  - c. hexagon**
  - d. octagon
2. The type of polygon in which its all angles and sides are equal is classified as
  - a. regular octagon
  - b. regular hexagon
  - c. regular polygon**
  - d. regular pentagon
3. A plane with eight edges as its sides is classified as
  - a. quadrilateral
  - b. pentagon
  - c. hexagon
  - d. octagon**
4. The plane with five edges as its sides is called
  - a. octagon
  - b. quadrilateral
  - c. pentagon**
  - d. hexagon
5. The polygon is said to be convex polygon if none of its interior angles is
  - a. right angle
  - b. acute angle**
  - c. obtuse angle
  - d. reflex angle
6. The kind of triangle which has two equal sides is
  - a. exterior angle
  - b. equilateral triangle
  - c. isosceles triangle**
  - d. scalene triangle
7. The plane with four edges as its sides is called
  - a. quadrilateral**
  - b. pentagon
  - c. hexagon
  - d. octagon
8. A plane with ten edges as its sides is called
  - a. octagon

- b. decagon**
  - c. pentagon
  - d. hexagon
  
- 9. A plane which is formed by three straight edges as its sides is called
  - a. triangle**
  - b. quadrilateral
  - c. pentagon
  - d. hexagon
  
- 10. The right-angled triangle must have
  - a. four right angles
  - b. three right angles
  - c. one right angle**
  - d. two right angles
  
- 11. The kind of triangle which has no equal side is called
  - a. isosceles triangle
  - b. scalene triangle**
  - c. exterior angle
  - d. equilateral triangle
  
- 12. The triangles can be classified on the basis of
  - a. the number of equal sides
  - b. the types of angles
  - c. length of line segments
  - d. both a and b**
  
- 13. The obtuse-angled triangle must have
  - a. four obtuse angles
  - b. three obtuse angles
  - c. two obtuse angles
  - d. one obtuse angle**
  
- 14. The acute-angled triangle must have
  - a. three acute angles**
  - b. two acute angles
  - c. four acute angles
  - d. only one acute angle
  
- 15. The plane figure which consists of three or more edges as its sides is called
  - a. polygon**
  - b. equilateral polygon
  - c. scalene triangle
  - d. isosceles triangle