



ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION



Sub: Algebra and Geometry

Class: 7

Date: 28.11.20

Duration: 40 min

Worksheet Solution 07

Full Marks: 15

Polygon

Choose the Correct options:

1) A simple closed figure separates the plane into _____ regions.

(a) one **(b) two** (c) three (d) None of these

2) A figure is one whose all points lie in the same plane are called

(a) plane (b) convex (c) Non convex (d) None of these

3) All figures drawn are plane since all points lie in the.

(a) same plane (b) different plane (c) None of these

4) A simple closed plane figure bounded by line segments are called.

(a) plane figure **(b) polygon** (c) boundary (d) None of these

5) The line segments are called

(a) boundary **(b) sides** (c) Area (d) None of these

6) Each end-point of a side is called a

(a) vertex (b) boundary (c) side (d) None of these

7) A polygon bounded by line segments is called

(a) simple closed plane figure (b) boundary (c) vertex (d) None of these

8) If two sides have a common end point are called

(a) sides **(b) adjacent sides** (c) diagonal (d) None of these

9) A line joining the non consecutive vertices of a polygon is called

(a) diagonal (b) sides (c) None of these (d) vertex

10) A polygon is named by using its

(a) vertices (b) boundary (c) diagonal (d) None of these

11) The measure of each interior angle is less than 180° is called a polygon.

(a) concave **(b) convex** (c) Diagonal (d) None of these

12) If a polygon has at least interior angle with a measure greater than 180° the polygon is

(a) convex **(b) concave** (c) Diagonal (d) None of these

13) A regular polygon is always.

(a) convex (b) concave (c) None of these (d) Diagonal

14) If any part of a diagonal contains points in the exterior of the polygon is

(a) concave (b) convex (c) None of these (d) Diagonal

15) A polygon have 6 sides are called

(a) pentagon (b) triangle **(c) Hexagon** (d) polygon