



ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION



CLASS 8

SUBJECT :Algebra and Geometry

Work sheet 4

MARKS: 15

SPECIAL TYPES OF QUADRILATERALS(POLYGONS)

Date:10.4.2020

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

1.A simple closed curve made up of only _____ is called a polygon .

- A) curves
- B) line segments
- C) lines
- D) closed curves

2.A polygon with minimum number of sides is

- A) Pentagon
- B) Square
- C) triangle
- D) None of these

3. Polygons that have no portions of their diagonals in their exteriors are called

- A).Squares
- B) Triangles
- C) Convex
- D) concave

4. Polygons that have any portions of their diagonals in their exteriors are called

- A) Squares
- B) triangles
- C) convex
- D) Concave

5.All the sides of a regular polygon are _____.

- A) 90°
- B) 60°
- C) equal measure
- D) equal length

6. Sum of all interior angles of a polygon with (n) sides is given by

- A) $(n - 2) \times 180^\circ$
- B) $n - 2 \times 180^\circ$
- C) $(n + 2) \times 180^\circ$
- D) $(n + 2) \times 180^\circ$

7. Maximum number of right angles in a right angled triangle are

- A) 2
- B) 1
- C) 3
- D) 0

8. The angle sum of all interior angles of a convex polygon of sides 7 is

- A) 180°
- B) 540°
- C) 630°
- D) 900°

9. Each exterior angle of a regular hexagon is of measure

- A) 120°
- B) 80°
- C) 100°
- D) 60°

10. The number of sides in a regular polygon is 15 , then measure of each exterior angle is

- A) 24°
- B) 36°
- C) 20°
- D) 18°

11. Minimum possible interior angle in a regular polygon is _____.

- A) 70°
- B) 60°
- C) 90°

D) 120°

12. How many sides does a heptagon have?

- A) 2
- B) 4
- C) 7
- D) 5

13. Maximum possible exterior angle in a regular polygon is _____.

- A) 70°
- B) 60°
- C) 90°
- D) 120°

14. Sum of all interior angles of a parallelogram is

- A) 180°
- B) 360°
- C) 540°
- D) 240°

15. A polygon having six sides is called

- A) hexagon
- B) pentagon
- C) octagon
- D) heptagon

Indranil Ghosh

