



ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION



Sub: Algebra and Geometry

Class: 7

Date: 17.04.20

Duration: 40 min

Worksheet 4

Full Marks: 15

BASIC CONSTRUCTION

Choose the Correct options:

1. Why do we have constructions in geometry?
 - a) axiomatic logic
 - b) useful in construction
 - c) no approximations, no guesses
 - d) All of these
2. What is an arc?
 - a) Part of a building
 - b) a part of a curve, especially a part of the circumference of a circle:
 - c) a luminous electrical discharge between two electrodes or other points
 - d) form an electric arc
3. What do you mean by radius of a circle?
 - a) Distance from centre to circumference of a circle
 - b) Distance from circumference to circumference
 - c) Distance from centre to a chord
 - d) Distance from chord to chord
4. Point of intersection is where
 - a) Two lines meet
 - b) Two arcs meet
 - c) An arc and a line meets
 - d) All of these
5. What is an angle bisector?
 - a) a line passing through the vertex of the angle that cuts it into two equal smaller angles.
 - b) a line passing through one arm of the angle that cuts it into two equal smaller areas.
 - c) a line passing through the vertex of the angle that cuts it into two unequal smaller angles.
 - d) None of these
6. Why is radius chosen as more than half n construction?
 - a) To ensure intersection
 - b) To ensure bisection
 - c) To allow the lines to pass
 - d) None of these
7. What do you mean by a perpendicular?
 - a) 0°
 - b) 45°
 - c) 90°

d) 180°

8. Name another word for perpendicular

- a) normal
- b) bisector
- c) angle
- d) height

9. What do you mean by a line segment?

- a) Part of a line that is bounded by two distinct end points
- b) line with no endpoints
- c) line with one endpoints
- d) None of these

10. What are parallel lines?

- a) Two lines in the same plane that are at equal distance from each other and never meet.
- b) Two lines in the same plane that are at unequal distance from each other and never meet.
- c) Two lines in the same plane that are at unequal distance from each other and always meet.
- d) None of these

11. What are alternate angles?

- a) a pair of angles on the inner side of each of those two lines but on opposite sides of the transversal
- b) a pair of angles on the outer side of each of those two lines but on opposite sides of the transversal
- c) Both (a) and (b)
- d) None of these

12. Which tools are essential for geometrical construction?

- a) ruler
- b) compass
- c) pencil
- d) All of these

13. What is the function of a protractor?

- a) measuring angles
- b) drawing angles
- c) drawing lines
- d) drawing circles

14. Which pencil is ideal for geometrical drawing?

- a) HB
- b) 8B
- c) 7H
- d) 4B
- e)

15. What is the function of a pencil compass?

- a) scribing circles or arcs of circles
- b) telling direction
- c) navigation
- d) None of these