

# SARALA BIRLA PUBLIC SCHOOL

Birla Knowledge City, Mahilong, Ranchi

Session - 2021-22

Assignment - II



**Class: IX**

**Subject: Mathematics**

**(Answer all questions)**

**1. Define the following terms.**

- a. Coordinate
- b. Axes
- c. Quadrants
- d. Abscissa
- e. Ordinate

**2. Draw and name the quadrilateral whose vertices are A (3, 2), B (2, 3), C (-4, 5) and D (5, -3).**

(do in graph paper)

**3. A and B are complementary angles. Given that angle A is equals to  $(1/7)$ th of angle B. Calculate the value of angle B in degrees.**

**4. Read the following statements:**

An equilateral triangle is a polygon made up of three line segments out of which two line segments are equal to the third one and all its angles are 60 degrees each.

Define the terms used in this definitions which you feel necessary.

Are there any undefined terms in this?

Can you justify that all angles are equal in an equilateral triangle.

**5. Do activity 3.1 (quadrants and coordinates)**

Write name of the activities, objectives, procedure, observation and conclusion.

(do in maths lab manual)

