

Riviera International Academy

Assignment-2077

(Ashad 28, 2077, Sunday)

Class: Nine Date:- \_\_\_\_\_ Name:- \_\_\_\_\_

Subject- Opt. Mathematics

1. Find the distance between the following pairs of points:  
(i) (-5, 3), (3, 1)      (ii) (4, 5), (-3, 2)      (iii) (-1, -4), (3, 5)
2. A is a point on the y-axis whose ordinate is 5 and B is the point (-3, 1). Calculate the length of AB.
3. A is a point on y-axis whose ordinate is 4 and B is a point on x-axis whose abscissa is -3. Find the length of the line segment AB.
4. Calculate the distance between A(7, 3) and B on the x-axis whose abscissa is 11.
5. Show by distance formula that the points (-1, -1), (2, 3) and (8, 11) are collinear.
6. Show that the points (5, 1), (3, 2) and (1, 3) are collinear.
7. Find the perimeter of a triangle whose vertices are (3, -3), (-3, 3) and  $(3\sqrt{3}, 3\sqrt{3})$ .
8. Prove that  $(-\frac{3}{2}, 0)$  is the mid-point of the join of (-3, 2) and (0, -2).
9. What points on the y-axis are at a distance of 10 units from the point (8, 8) ?
10. Find the coordinates of the points on the y-axis which are at a distance of 17 units from the point (-8, 3).

Subject – HPE

1. Give long answers to the following questions.

- a. What is migration? Why do people migrate? How does the act of migration bring adverse effects on environment and health of people?
- b. Why is census considered as the most reliable source of population data? What information are collected from it? Describe the techniques of conducting census.

विषय – नेपाली

१. नेपाली व्याकरण किताबबाट शब्द भण्डार -

(१) पर्यायवाची शब्द

(२) विपरीतार्थक शब्द

(३) अनेकार्थक शब्द

(४) श्रुतिसम भिन्नार्थक शब्द अभ्यास गर्नुहोस्

२. चिठी लेख्नुहोस् - पेज ५७ को प्रश्न नं ४, पाठ बहिनीलाई चिठी।

**Subject- Science**

1. What is electrovalent compound? Write any 4 characteristics of ionic compound.
2. Draw the molecular structure of Potassium oxide and Magnesium oxide.
3. What is covalent bond? Write any two differences between covalent bond and electrovalent bond.
4. Illustrate the method of formation of covalent bond by giving the example of formation of HCl.

**The End.**