

**Riviera International Academy**

**Assignment-2077**

**(Shrawan 06, 2077, Tuesday)**

**Class: Nine**

**Subject-English**

Pg.47 Read and mark. (To be done in the book.)

Put into practice.

Grammar Practice.

**Subject - Opt. Mathematics**

1. Find the coordinates of the points on the x-axis which are at a distance of 5 units from the point (5, 4).
2. Find the coordinates of the points on the x-axis which are at a distance of 5 units from the point (5, 5).
3. The distance between the points (5, 2) and (-7, y) is 13 units. Find the possible values of y.
4. The distance between the point A(3, 4) and B(2a, a) is  $\sqrt{10}$  units. Find the coordinates of B.
5. The distance between the points P(2, 4) and Q(x, 1) is 5 units. Find the possible values of x.
6. What point on the x-axis is equidistance from (7, 6) and (-3, 4) ?
7. Find the value of x such that  $AB = BC$  where A, B and C are the points (6, -1), (1, 3) and (x, 8) respectively.
8. If the point (x, y) is equidistance from (2, 3) and (6, -1), show that  $x - y - 3 = 0$ .
9. If the point (x, y) is equidistance from the points (-a, b) and (b, a), then show that  $x(a + b) = y(b - a)$ .
10. If the point (x, y) is equidistance from the point (a + b, b - a) and (a - b, a + b), then show that  $ay = bx$ .

**Subject- Science**

1. Write any five properties of electrovalent compound.
2. Explain the difficulty in the formation of electrovalent bond between sodium metal and magnesium metal.
3. What is covalent bond? Explain the formation of covalent bond by giving example of HCl.
4. Write any four differences between electrovalent and covalent compound.

**Subject- Social Studies**

1. What are the problems of the development of infrastructures in Nepal? Write any four.
2. Peace is taken as the most important infrastructure of development. Justify.

**The End.**