

Riviera International Academy

Assignment-2077

(Shrawan 25, 2077, Sunday)

Class: Eight

Subject- Opt. Mathematics

- (a) $\triangle ABC$ has the vertices A (5, -2), B (3, 0), C (2, 5). Find its image after a translation $T = \begin{pmatrix} 6 \\ 0 \end{pmatrix}$. Draw the object and the image.
- (b) $\triangle PQR$ has the vertices P (4, 3), Q (9, 2) and R (6, 6). Find its image after a translation $T = \begin{pmatrix} -4 \\ 3 \end{pmatrix}$.

$\triangle ABC$ having the vertices A (5, 8), B (7, 6) and C (5, 7) is mapped to $\triangle A'B'C'$ such that A' is (2, 12). Write the translation T and find the coordinates of B' and C'. Graph also the object and the image.

Subject- Social Studies

What is good governance? write the four characteristics of good governance.

Subject-English

1. Write an essay on "Natural Resources in Nepal" in about 150 words.
2. Write an essay on "Child Rights in Nepal" in about 150 words.

Subject- Science

1. Which group of modern periodic table called halogens and why?
2. Write the five disadvantages of Mendeleev periodic table.
3. Write the differences between alkali metal and alkali earth metal in two points.
4. Why is group -VIII A elements of modern periodic table called inert gas or noble gas?

The End.