

Riviera International Academy

Assignment-2077

(Ashad 25, 2077, Thursday)

Class: Nine Date:- _____ Name:- _____

Subject- Social Studies

1. Why is peace a prior condition for development? Answer in two paragraphs.

Subject - Opt. Mathematics

If $P(-5, -2)$, $Q(-1, -2)$ and $R(-3, -4)$ be the vertices of ΔPQR

- a. Find the image $\Delta P'Q'R'$ under the enlargement with centre at $(-1, 0)$ and scale factor $\frac{1}{2}$ and find the co-ordinates of P' , Q' and R' .
 - b. Translate $\Delta P'Q'R'$ with translation vector $\begin{pmatrix} 5 \\ 4 \end{pmatrix}$ to get $\Delta P''Q''R''$ and find the co-ordinates of P'' , Q'' and R'' .
 - c. Rotate $\Delta P''Q''R''$ through 90° about $M(-1, 2)$ to get $\Delta P_1Q_1R_1$ and find the co-ordinates of P_1 , Q_1 and R_1 .
 - d. Reflect $\Delta P_1Q_1R_1$ on the line $x = y$ to get $\Delta P_2Q_2R_2$ and find the co-ordinates at P_2 , Q_2 and R_2 .
- Also draw ΔPQR , $\Delta P'Q'R'$, $\Delta P''Q''R''$, $\Delta P_1Q_1R_1$ and $\Delta P_2Q_2R_2$ on the same graph paper.

Subject –English

Pg.33 c and d

Subject- Science

1. How can an atom determine number of lose or gain electrons? Explain by giving example of sodium atom.
2. Why metal and metal do not form electrovalent compound?
3. Valency of both sodium and chlorine are 1. What is the difference between them?
4. How is sodium chloride (NaCl) compound formed? Explain with its molecular structure.

The End.