

Riviera International Academy

Assignment-2077

(Jestha 22, 2077, Thursday)

Class: Nine

Subject – Opt. Mathematics

1. If $A(1, 0)$, $B(1, 3)$ and $C(-1, -1)$ are the vertices of ΔABC , find
 - a. Image $\Delta A'B'C'$ and its vertices under the rotation of -90° about $M(2, 0)$.
 - b. Image $\Delta A''B''C''$ of $\Delta A'B'C'$ under the rotation of 180° about origin and also find the vertices of $\Delta A''B''C''$
2. If $P(2, -1)$, $Q(3, -3)$ and $R(5, -2)$ are the vertices of ΔPQR , find
 - a. Image $\Delta P'Q'R'$ and its vertices under the reflection on the line $y = x$.
 - b. Image $\Delta P''Q''R''$ of $\Delta P'Q'R'$ and its vertices under the rotation through 270° about $M(2, 0)$.

Subject- Science

1. The gun recoils when a bullet is fired from it, why?
2. Why action and reaction do not cancel to each other?
3. Define one Newton force. State Newton's first law of motion.
4. A bus is travelling with a velocity of 60 Km/hr. Pressing the brakes suddenly, it is retarded to 0.5m/s^2 . How far will it travel before coming to rest?

Subject- English

1. Write a memoir of your visit to any new place.
2. Write a paragraph describing what you did yesterday.

The End.