

Riviera International Academy

Assignment-2077

(Ashwin 18, 2077, Sunday)

Class: Eight

Subject- Opt. Mathematics

7. (a) Find the distance between the point $(-2, 4)$ and a point on x-axis having the abscissa 3.
(b) Find the distance between the point $(2, 7)$ and a point on y-axis having the ordinate -2 .

PART B

8. Identify the types of triangles having the following vertices:
(a) $(2, 0), (0, 0), (2, 3)$ (b) $(1, 0), (3, 0), (2, 2)$ (c) $(1, 3), (3, 1), (1, 1)$

Subject- Social Studies

1. What is meant by inclusiveness? Describe its characteristics in five points.

Subject-English

Homework will be given in Google classroom.

Subject- Science

1. Define third class lever. Output work is always lesser than input work, why?
2. Establish the relation among MA, VR and efficiency.
3. A second class lever needs less effort to lift a heavy load, why?
4. A load of 600N is lifted using a first class lever applying an effort of 350N . If the distance between the fulcrum and the effort is 60cm and that between the load and fulcrum is 30cm , calculate; input work, output work, MA, VR and efficiency.

The End.