

**Riviera International Academy**

**Assignment-2077**

**(Ashwin 04, 2077, Sunday)**

**Class: Eight**

**Subject- Opt. Mathematics**

1. Find the distance between two points  $(x_1, x_2)$  and  $(y_1, y_2)$  when,
- (a)  $|x_2 - x_1| = 3$  and  $|y_2 - y_1| = 4$       (b)  $|x_2 - x_1| = 6$  and  $|y_2 - y_1| = 8$   
(c)  $|x_2 - x_1| = 1$  and  $|y_2 - y_1| = \sqrt{3}$       (d)  $|x_2 - x_1| = 2$  and  $|y_2 - y_1| = \sqrt{5}$   
(e)  $|x_2 - x_1| = \sqrt{7}$  and  $|y_2 - y_1| = 9$

**Subject- Social Studies**

Make list of the heritages of Nepal listed in world heritage site.

**Subject-English**

Homework will be given in Google class room.

**Subject- Science**

1. Define input work of simple machine. Write its formula and SI unit.
2. What is mechanical advantage (MA) of simple machine? What is the meaning of MA of a machine 5?
3. How much effort is required to lift 400N load by the simple machine having MA 4 and why?
4. Define Velocity ratio. Does it have unit? Justify.

**The End.**