

**Riviera International Academy**

**Assignment-2077**

**(Shrawan 18, 2077, Sunday)**

**Class: Nine**

**Subject-English**

Grammar Practice ex a and b

**Subject- Social Studies**

Name the major highways of Nepal along with their linked places and length.

विषय - नेपाली

**Subject- Opt. Mathematics**

1. Prove that the points  $(1, 0)$ ,  $(2, 1)$  and  $(3, 0)$  are the vertices of a right-angled isosceles triangle. Also find the area of this triangle.
2. Show that the points  $(4, 6)$ ,  $(-1, 5)$ ,  $(-2, 0)$  and  $(3, 1)$  are the vertices of a rhombus.
3. Show that the points  $(5, 3)$ ,  $(1, 2)$ ,  $(2, -2)$  and  $(6, -1)$  are the vertices of a square. Find also the area of this square.
4. Show that the points  $(1, 1)$ ,  $(4, 4)$ ,  $(4, 8)$  and  $(1, 5)$  are the vertices of a parallelogram.
5. Show that the points  $(2, -2)$ ,  $(8, 4)$ ,  $(5, 7)$  and  $(-1, 1)$  are the vertices of a rectangle. Also find the area of this rectangle.

**The End.**