H.W.

❖ **Submit *a pdf file* via email by next Monday 6 p.m.**

1. An object shown in figure is described by six points w.r.t a body-fixed frame A. When the object is rotated 90° about the z axis and then 90° about the y axis, followed by a translation of 4 in the x direction,
   1) What is a homogeneous transformation matrix?
   2) What are the transformed six points?
   3) Draw the transformed object with six points as well as the body-fixed frame A.