

Sheet 1

Question 1

Rotate the following points $(1, 2, 1)$, $(3, 2, 1)$ by 90 degree around y axis.

Question 2

Scale the following points $(4, 1, 3)$, $(2, 5, 1)$ by $s_x=3$, $s_y=2$, $s_z=4$ about $(3, 2, 1)$.

Question 3

Translate the following points $(2,4,6)$, $(3,5,7)$ by $T_x=2$, $T_y=4$, $T_z=6$