Perspective Transformations

Note 1

Homogenous transformations

$$\begin{bmatrix} x \\ y \\ \overline{z} \\ \delta \end{bmatrix}$$
 E.G. if $S = 2$
$$\begin{bmatrix} x \\ y \\ \overline{z} \end{bmatrix}$$
 have been scaled by 2 .

⇒ Must divide by s=2 to get physical values.

E.G. 2
$$\begin{bmatrix}
1 & 0 & 0 & 1 \\
0 & 1 & 0 & 0 \\
0 & 0 & 1 & 0
\end{bmatrix}$$

$$\begin{bmatrix}
X + 1 \\
2 + 1 \\
2 \\
2 + 1
\end{bmatrix}$$

$$\begin{bmatrix}
X + 1 \\
2 + 1 \\
2 \\
2 + 1
\end{bmatrix}$$