

$$P_{yx} = R_{y}P = \begin{cases} \cos \frac{\pi}{y} & 0 & \sin \frac{\pi}{y} \end{cases} \begin{cases} 1 \\ 0 & 1 \\ -\sin \frac{\pi}{y} & 0 & \cos \frac{\pi}{y} \end{cases}$$

$$= \begin{pmatrix} 0.707 & 0 & 0.707 \\ 0 & 1 & 0 \\ -0.707 & 0 & 0.707 \end{bmatrix} \begin{bmatrix} 1 \\ 1 \end{bmatrix}$$

$$= \begin{bmatrix} 1.414 \\ 0.707 \\ 0.707 \end{bmatrix}$$

$$\begin{cases} y = \begin{pmatrix} 1.414 \\ 0.707 \\ 0.707 \end{pmatrix}$$

Checkpoint 4: Checkpoint 3: Checkpoint 6! As use changed the focal length and gradually increased it, the front part of the face is going behind, basically the Cornera is going back, so we can see the morkey face with more detail.