



$x_1$

$$y_1 = 100$$

$x_2$

$$y_2 = 110$$

$x_3$

$$y_3 = 95$$

$\begin{pmatrix} 1 & 0 \\ 0 & 1 \end{pmatrix} \Rightarrow$

$$\begin{pmatrix} 10 \\ -10 \\ -5 \end{pmatrix}$$



$$\hat{y}_1 = 90$$

$$\hat{y}_2 = 120$$

$$\hat{y}_3 = 100$$

$\hat{y} - y$

$$\begin{pmatrix} 10 \\ -10 \\ -5 \end{pmatrix}$$

$$10$$

$$-10$$

$$-5$$



$$\downarrow$$

$$100$$

$$110$$

$$95$$

