Cold => 05

PQ J: a)
$$W_1 = \frac{1}{1} \times \frac{1}{1} = \frac{1}{1} \times$$

$$XY \rightarrow T_{A(\delta)} = \begin{bmatrix} 1 & 0 & 0 & | & \alpha \\ 0 & 1 & 0 & | & \alpha \\ 0 & 0 & 0 & | & \alpha \end{bmatrix} = \begin{bmatrix} \alpha \\ 0 \\ 0 \end{bmatrix}$$

$$XZ \rightarrow T_{A(\delta)} \begin{bmatrix} 1 & 0 & 0 & | & \alpha \\ 0 & 0 & 0 & | & \alpha \\ 0 & 0 & 1 & | & \alpha \end{bmatrix} = \begin{bmatrix} \alpha \\ 0 \\ 0 \end{bmatrix}$$

$$P = \frac{1}{2} =$$

c)
$$\theta = -60, \Rightarrow -\frac{3}{11} \left[\frac{270}{270} + \frac{2100}{270} \right] = \left[\frac{7}{12} + \frac{1}{12} \right] \cdot \left[\frac{372}{27} + \frac{372}{27} \right]$$

$$d) \theta = 00 \Rightarrow \frac{1}{12} \begin{bmatrix} \cos \theta & \sin \theta \\ \sin \theta & \cos \theta \end{bmatrix} = \begin{bmatrix} 0 & 1 \\ 0 & 1 \end{bmatrix} \cdot \begin{bmatrix} 1 \\ 2 \\ 1 \end{bmatrix} \Rightarrow \begin{bmatrix} 0 & -1 \\ 2 & 0 \end{bmatrix}$$

$$\alpha) \quad | = 3 \quad \begin{bmatrix} 0 & 3 \end{bmatrix} \begin{bmatrix} -1 \end{bmatrix} = \begin{bmatrix} 0 & -\epsilon \end{bmatrix} \qquad | p = 1 \quad \begin{bmatrix} 1 & 0 \\ 2 & 1 \end{bmatrix} \cdot \begin{bmatrix} -1 \\ -1 \end{bmatrix} = \begin{bmatrix} 0 & -1 \end{bmatrix}$$

8)
$$Y = \frac{1}{4} \begin{bmatrix} 0 & \frac{1}{4} \end{bmatrix} \cdot \begin{bmatrix} 0 & \frac{1}{2} \end{bmatrix} = \begin{bmatrix} 0 & \frac{1}{2} \end{bmatrix} \quad \text{(3)} \quad \text{(3)} \quad \text{(4)} \quad \text{(4)} \quad \text{(5)} \quad \text{(5$$

e)
$$T_{a} = \begin{bmatrix} k & 0 \\ 0 & k \end{bmatrix}$$
 $T_{n} \begin{bmatrix} k & 0 \\ 0 & k \end{bmatrix}$ $\begin{bmatrix} k & 0$

$$P\left(\begin{array}{c} V \\ \end{array}\right) \Rightarrow \begin{bmatrix} 0 & y \\ \end{array}\right) \Rightarrow \begin{bmatrix} 0 & y \\ \end{array}$$

$$S\left(\begin{array}{c} V \\ \end{array}\right) = \begin{bmatrix} 0 & y \\ \end{array}\right) \cdot \begin{bmatrix} \frac{1}{2} & \frac{3}{2} \\ \end{array}\right) = \begin{bmatrix} 0 & 2y \\ \end{array}$$

$$\left(\begin{array}{c} V \\ \end{array}\right) \cdot \begin{bmatrix} 0 & y \\ \end{array}\right) = \begin{bmatrix} 0 & 2y \\ \end{array}$$

$$O = (0, 1)$$

$$O =$$

14,15,16,18,20,









