Transformation Assignment

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JD: UGO2-47-18-033

Course Code: CSE-6313

Course Hille: Computers Grapies

Here,
$$P(75, 50, 110, 5)$$
 or $(15, 10, 22, 1)$

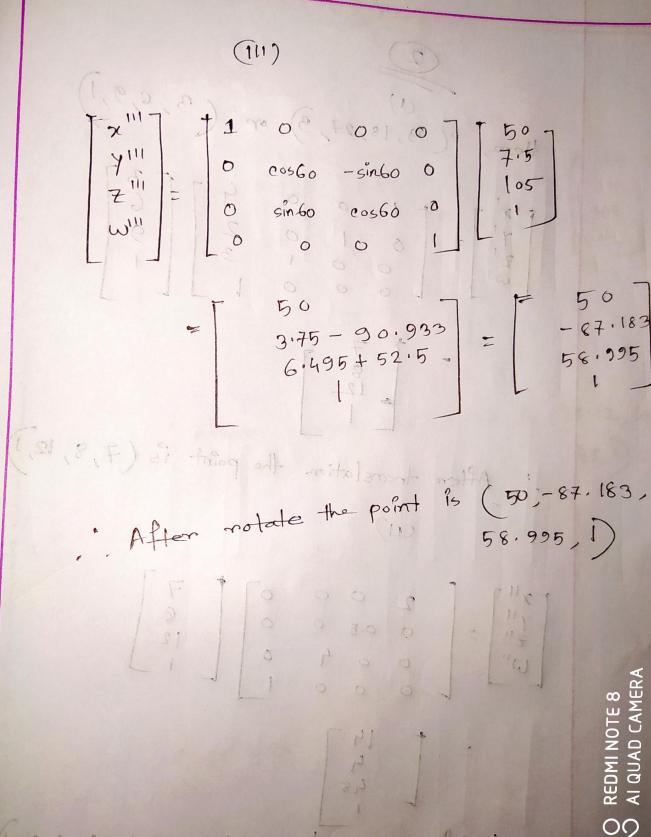
$$\begin{bmatrix} 2 \\ 7 \\ 7 \end{bmatrix} = \begin{bmatrix} 1 & 0 & 0 & 10 \\ 0 & 1 & 0 & 5 \\ 0 & 0 & 1 & 13 \\ 0 & 0 & 0 & 1 \end{bmatrix} \begin{bmatrix} 15 \\ 10 \\ 22 + 13 \\ 1 \end{bmatrix} = \begin{bmatrix} 15 + 10 \\ 22 + 13 \\ 1 \end{bmatrix}$$

After translation the point $(25, 15, 35, 1)$.

$$\begin{bmatrix} 2 \\ 7 \\ 15 \\ 35 \\ 1 \end{bmatrix} = \begin{bmatrix} 2 \\ 50 \\ 7 \\ 51 \end{bmatrix}$$

$$\begin{bmatrix} 2 \\ 7 \\ 7 \\ 7 \\ 2 \end{bmatrix} = \begin{bmatrix} 2 \\ 0 \\ 0 \\ 0 \end{bmatrix} = \begin{bmatrix} 50 \\ 7 \\ 51 \\ 105 \\ 1 \end{bmatrix}$$

REDMINOTE & Cold Les Colds (20) 4.2 (20) Alguard CAMERA

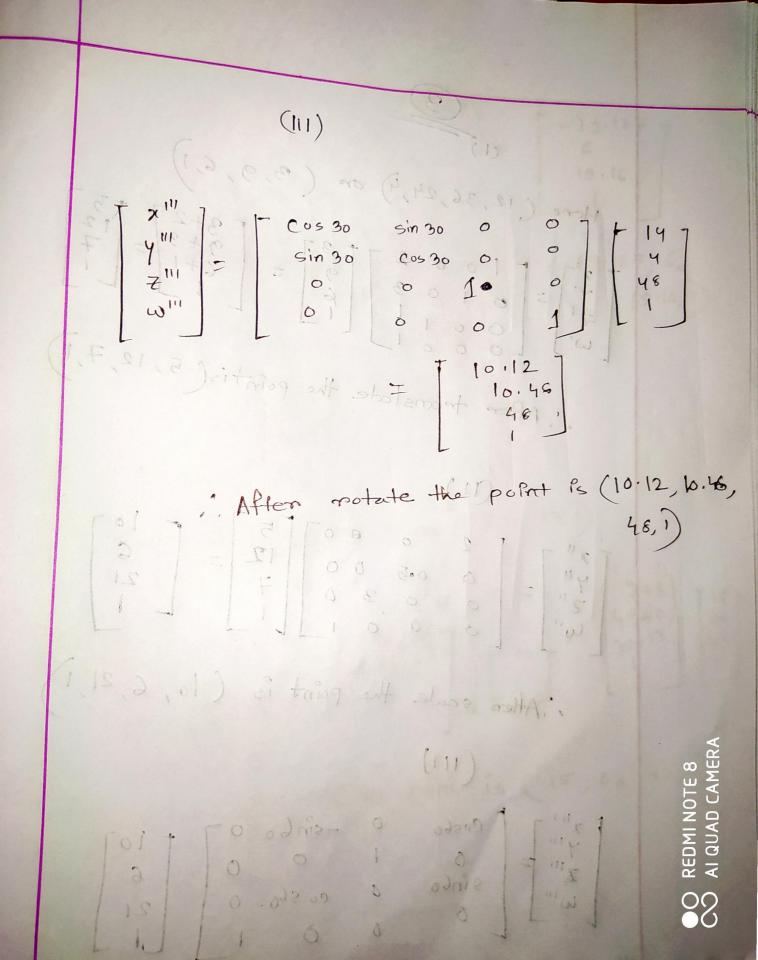


Here,
$$P(3, 18, 27, 3)$$
 or $P(3, 6, 9, 1)$

There of $P(3, 18, 27, 3)$ or $P(3, 6, 9, 1)$

After translation the point is $P(3, 12, 1)$
 $P(3, 18, 27, 3)$ or $P(3, 6, 9, 1)$
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 $P(3, 18, 27, 3)$ or $P(3, 18, 27, 3)$
 $P(3, 18, 27, 3)$

'. After scale the point is (14, 4, 4 &



$$\begin{bmatrix} 2^{11} \\ 4^{11} \\ 2^{11} \end{bmatrix} = \begin{bmatrix} 2 & 0 & 0 & 0 \\ 0 & 0.5 & 0 & 0 \\ 0 & 0 & 0 & 0 \end{bmatrix} \begin{bmatrix} 5 \\ 12 \\ 7 \\ 1 \end{bmatrix} = \begin{bmatrix} 10 \\ 6 \\ 21 \\ 1 \end{bmatrix}$$

.. After scale the point is (10, 6, 21,1)

(111)

$$\begin{bmatrix} 2^{111} \\ 7^{111} \\ & & &$$

$$= \begin{bmatrix} 5 - 18.167 \\ 6 \\ 8.66 + 10.5 \end{bmatrix} = \begin{bmatrix} -13.187 \\ 6 \\ 19.16 \end{bmatrix}$$

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.. After translation the point is (15,60,45,1)

. After the notate the point is (- 73.53, 30,

0 --

. After the scale the point is (45, 30, 225, 1)

$$\begin{bmatrix}
 2111 \\
 7111 \\
 \hline
 \hline$$

. After the notate the point is (-73.53, 30, 217.36,1)